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ANNUAL REGISTER
UNITED STATES
NAVAL ACADEMY
ANNAPOLIS, MD. *

EIGHTY-SIXTH ACADEMIC
YEAR, 1930-1931 *



ANNUAL REGISTER

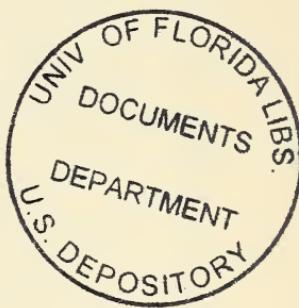
OF THE

UNITED STATES NAVAL ACADEMY

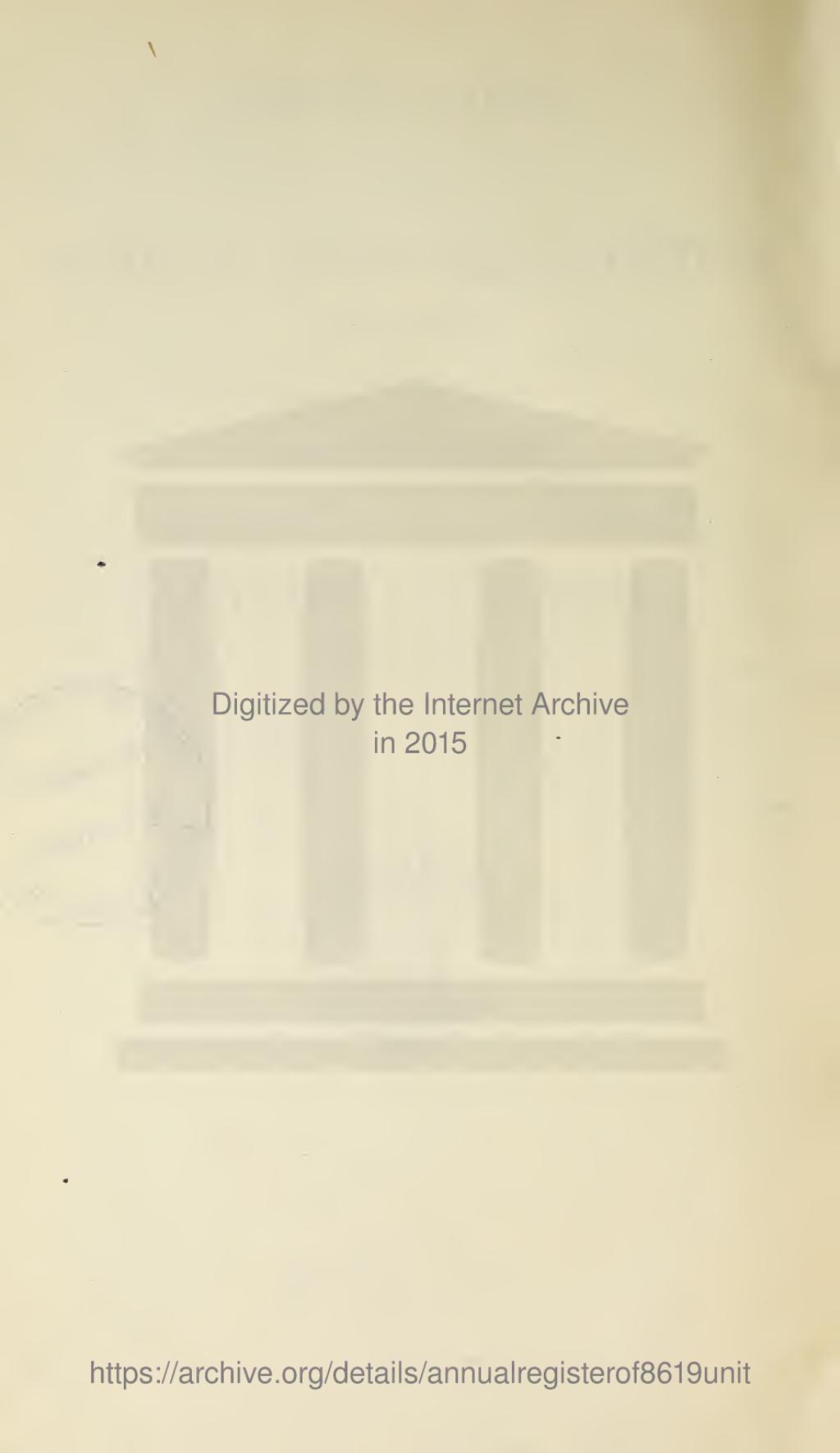
ANNAPO利S, MD.

SEPTEMBER 26, 1930

EIGHTY-SIXTH ACADEMIC YEAR
1930-1931



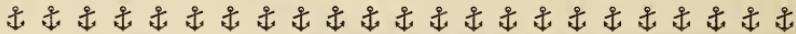
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THE MISSION

TO mold the material received into educated gentlemen, thoroughly indoctrinated with honor, uprightness, and truth, with practical rather than academic minds, with thorough loyalty to country, with a groundwork of educational fundamentals upon which experience afloat may build the finished naval officer, capable of upholding, whenever and wherever may be necessary, the honor of the United States; and withal giving due consideration that healthy minds in healthy bodies are necessities for the fulfillment of the individual missions of the graduates; and that fullest efficiency under this mission can only be attained if, through just and humane yet firm discipline, the graduates carry into the service respect and admiration for this academy

THE UNITED STATES NAVAL ACADEMY

The United States Naval Academy was founded in 1845 by the Hon. George Bancroft, Secretary of the Navy, in the administration of President James K. Polk. It was formally opened October 10 of that year under the name of the Naval School, with Commander Franklin Buchanan as superintendent. It was placed at Annapolis, Md., on the land occupied by Fort Severn, which was given up for the purpose by the War Department by the Hon. William L. Marcy, then Secretary of War. The course was fixed at five years, of which only the first year and the last were spent at the school, the intervening three years being passed at sea. This arrangement was not strictly adhered to, the exigencies of the service making it necessary, in many cases, to shorten the period of study. In January, 1846, four months after the opening of the school, the students consisted of 36 midshipmen of the date of 1840, who were preparing for the examination for promotion; 13 of the date of 1841, who were to remain until drafted for service at sea; and 7 acting midshipmen appointed after September of the previous year. The midshipmen of the date of 1840 were the first to be graduated, finishing their limited course in July, 1846, and they were followed in order by the subsequent dates until the reorganization of the school in 1850.

In September, 1849, the following board was appointed to revise the plan and the regulations of the Naval School:

Commander William B. Shubrick.
Commander Franklin Buchanan.
Commander Samuel F. DuPont.
Commander George P. Upshur.
Surg. W. S. W. Ruschemberger.
Prof. William Chauvenet.
Capt. Henry Brewerton, United States Army.

The plan reported by the board was approved and went into operation July 1, 1850. The new organization provided for a course of seven years, the first two and the last two at the school and the three intermediate years at sea. The school was placed under the supervision of the Bureau of Ordnance and Hydrography and its name was changed to the United States Naval Academy. The corps of professors was enlarged, the course was extended, and the system of separate departments with executive heads was fully adopted. It was provided that a Board of Visitors should make an annual inspection of the academy and report upon its condition to the Secretary of the Navy. A suitable vessel was attached to the academy as a practice ship and the annual practice cruises were begun.

After the system had been in operation a year new changes were proposed and the recommendations of the academic board on the subject were referred to the board of examiners for the year 1851, composed of the following-named officers:

Commodore David Conner.
Capt. Samuel L. Breese.
Commander C. K. Stribling.
Commander A. Bigelow.
Commander Franklin Buchanan.
Lieut. Thomas T. Craven.

The change recommended by the board of examiners and adopted by the department consisted mainly in leaving out the requirements of three years of sea service in the middle of the course, thus making the four years of study consecutive. The practice cruise supplied the place of the omitted sea service and gave better opportunities for training. The change went into operation in November, 1851, together with other improvements recommended by the board. This system has been continued, with some slight modifications, to the present time. The first class to receive the benefit of it was that which entered in 1851. Six members of this class completed the course in three years and were graduated in June, 1854; the remainder of the class followed in 1855.

In May, 1861, on the outbreak of the war, the academy was moved to Newport, R. I. The three upper classes were detached and ordered to sea and the remaining acting midshipmen were quartered in the Atlantic House and on board the frigates *Constitution* and *Santee*. In the summer of 1865 the academy was brought back to Annapolis, where it has since remained.

When the Bureau of Navigation was established, July 5, 1862, the academy was placed under its supervision; March 1, 1867, it was placed under the direct care and supervision of the Navy Department, the administrative routine and financial management still being conducted through the bureau. On the 11th of March, 1869, this official connection with the bureau ceased, but was renewed by the general order of the Navy Department issued June 25, 1889.

The term of the academic course was changed by law March 3, 1873, from four to six years. The change took effect with the class that entered in the following summer.

In 1866 a class of acting third assistant engineers was ordered to the academy for instruction. The course embraced the subject of steam engineering mechanism, chemistry, mechanics, and practical exercises with the steam engine and in the machine shop. This class was graduated in June, 1868, together with two cadet engineers who had entered the academy in 1867. After an interval of four years, in October, 1871, a new class of cadet engineers was admitted. This class followed a two years' course, somewhat more extended than that of the class of 1868, and was graduated in 1873. In 1872 and 1873 new classes were admitted, the first of which left the academy in 1874 and the second in 1875. By an act of Congress approved February 24, 1874, the course of instruction for cadet engineers was made four years instead of two; the new provision was first applied to the class entering the academy in the year 1874. This class was graduated in June, 1878.

An act of Congress approved June 23, 1874, provides as follows:

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That in all cases when it shall come to the knowledge of the Superintendent of the Naval Academy, at Annapolis, that any cadet midshipman or cadet engineer has been guilty of the offense commonly known as hazing, it shall be the duty of said superintendent to order a court-martial, composed of not less than three commissioned officers, who shall minutely examine into all the facts and circumstances of the case and make a finding thereon; and any cadet midshipman or cadet engineer found guilty of said offense by said court shall, upon recommendation of said court, be dismissed; and such finding, when approved by said superintendent, shall be final; and the cadet so dismissed from said Naval Academy shall be forever ineligible to reappointment to said Naval Academy."

By an act of Congress approved August 5, 1882, it was provided that from that date "there shall be no appointments of cadet midshipmen or cadet engineers at the Naval Academy, but in lieu thereof naval cadets shall be appointed from each congressional district and at large, as now provided by law for cadet

midshipmen, and all the undergraduates at the Naval Academy shall hereafter be designated and called 'naval cadets,' and from those who successfully complete the six years' course appointments shall hereafter be made as it is necessary to fill vacancies in the lower grades of the Line and Engineer Corps of the Navy and of the Marine Corps: *And provided further*, That no greater number of appointments into these grades shall be made each year than shall equal the number of vacancies which has occurred in the same grades during the preceding year; such appointments to be made from the graduates of the year, at the conclusion of their six years' course, in order of merit, as determined by the academic board of the Naval Academy; the assignment of the various corps to be made by the Secretary of the Navy upon the recommendation of the academic board. But nothing herein contained shall reduce the number of appointments from such graduates below ten in each year, nor deprive of such appointment any graduate who may complete the six years' course during the year eighteen hundred and eighty-two. And if there be a surplus of graduates, those who do not receive such appointment shall be given a certificate of graduation, an honorable discharge, and one year's sea pay, as now provided by law for cadet midshipmen; and so much of section fifteen hundred and twenty-one of the Revised Statutes as is inconsistent herewith is hereby repealed.

"That any cadet whose position in his class entitles him to be retained in the service may, upon his own application, be honorably discharged at the end of four years' course at the Naval Academy, with a proper certificate of graduation."

In 1886 a special course of instruction in physiology and hygiene was established, in accordance with an act of Congress approved May 20 of that year.

The act of Congress approved March 2, 1889, provides that "the academic board of the Naval Academy shall, on or before the thirtieth day of September in each year, separate the first class of naval cadets then commencing their fourth year into two divisions, as they may have shown special aptitude for the duties of the respective corps, in the proportion which the aggregate number of vacancies occurring in the preceding fiscal year ending on the thirtieth day of June in the lowest grade of commissioned officers of the Line of the Navy and Marine Corps of the Navy shall bear to the number of vacancies to be supplied from the academy occurring during the same period in the lowest grade of commissioned officers of the Engineer Corps of the Navy; and the cadets so assigned to the Line and Marine Corps division of the first class shall thereafter pursue a course of study arranged to fit them for service in the Line of the Navy, and the cadets so assigned to the Engineer Corps division of the first class shall thereafter pursue a separate course of study arranged to fit them for service in the Engineer Corps of the Navy, and the cadets shall thereafter, and until final graduation at the end of their six years' course, take rank by merit with those in the same division according to the merit marks; and from the final graduates of the Line and Marine Corps division, at the end of their six years' course, appointments shall be made hereafter as it shall be necessary to fill vacancies in the lowest grades of commissioned officers of the Line of the Navy and Marine Corps; and the vacancies in the lowest grades of the commissioned officers of the Engineer Corps of the Navy shall be filled in like manner by appointments from the final graduates of the engineer division at the end of their six years' course: *Provided*, That no greater number of appointments into the said lowest grades of commissioned officers shall be made each year than shall equal the number of vacancies which shall have occurred in the same grades during the fiscal year then current; such appointments to be made from the final graduates of the year, in the order of merit as determined by the academic board of the Naval Academy, the assignment to be made by the Secretary of the Navy upon the recommendation of the academic board at the conclusion of the fiscal year then current; but nothing contained herein or in the naval appropriation act of August fifth, eighteen hundred and eighty-two,

shall reduce the number of appointments of final graduates at the end of their six years' course below twelve in each year to the Line of the Navy and not less than two shall be appointed annually to the Engineer Corps of the Navy, nor less than one annually to the Marine Corps; and if the number of vacancies in the lowest grades aforesaid occurring in any year shall be greater than the number of final graduates of that year the surplus vacancies shall be filled from the final graduates of the following years as they shall become available.

"That after the fourth day of March, eighteen hundred and eighty-nine, the minimum age of admission of cadets to the academy shall be fifteen years and the maximum age twenty years."

In October, 1897, a postgraduate course in naval architecture for the education of officers for the Construction Corps of the Navy was established; and a class was formed from the naval cadets that had finished the four years' course in that year.

By an act of Congress approved March 3, 1899, "the officers constituting the Engineer Corps of the Navy" were transferred to the "Line of the Navy," thereby repealing so much of the act of Congress approved March 2, 1889, as relates to the separation of naval cadets of the first class into line and engineer divisions.

This same act having limited the number of constructors in the Navy to 40, the postgraduate course in naval architecture was discontinued.

By an act of Congress approved June 7, 1900, it was provided that—

"Whenever any naval cadet shall have finished four years of his undergraduate course of six years the succeeding appointment may be made from his congressional district or at large in accordance with the existing law."

By an act of Congress approved July 1, 1902, it was provided that—

"The title 'naval cadet' is hereby changed to 'midshipman.'

"That until the year nineteen hundred and fourteen, in addition to the naval cadets now authorized by law (the title having been changed by this act to midshipmen), the President shall appoint five midshipmen, and there shall be appointed from the States at large, upon the recommendation of Senators, two midshipmen for each State."

By an act of Congress approved March 3, 1903, it was provided that—

"There shall be allowed at the Naval Academy two midshipmen for each Senator, Representative, and Delegate in Congress, two for the District of Columbia, and five each year at large: *Provided*, That the additional congressional appointments authorized by this act shall be made at such time as may be determined by the Secretary of the Navy, who shall equitably distribute the increase among the several States, Districts, and Territories, so that ultimately, if practicable, each Senator, Representative, and Delegate may recommend for appointment during each Congress one midshipman: *Provided further*, That Members of the Fifty-seventh Congress who will not be Members of the Fifty-eighth Congress, and in whose districts or States appointments have not been made or vacancies filled in the Fifty-seventh Congress, may immediately upon the passage of this act make the additional appointments herein provided for.

"The Secretary of the Navy shall, as soon as practicable after the fifth day of March in each year, notify in writing each Senator, Representative, and Delegate in Congress of any vacancy which may be regarded as existing in the State, District, or Territory which he represents, and the nomination of a candidate to fill such vacancy shall be made upon the recommendation of the Senator, Representative, or Delegate. Such recommendations shall be made by the first day of June of that year, and if not so made the Secretary of the Navy shall fill the vacancy by the appointment of an actual resident of the State, District, or Territory in which the vacancy exists, who shall have been for at least two years immediately preceding his appointment an actual bona fide resident of the State,

District, or Territory in which the vacancy exists and shall have the qualifications otherwise prescribed by law: *And provided further*, That the Superintendent of the Naval Academy shall make such rules, to be approved by the Secretary of the Navy, as will effectually prevent the practice of hazing; and any cadet found guilty of participating in or encouraging or countenancing such practice shall be summarily expelled from the academy, and shall not thereafter be reappointed to the Corps of Cadets or be eligible for appointment as a commissioned officer in the Army or Navy or Marine Corps until two years after the graduation of the class of which he was a member.

"That the provision of this act for the increase of appointments of midshipmen to the Naval Academy shall continue in force until the thirtieth day of June, nineteen hundred and thirteen; and thereafter one midshipman, as now provided by law, shall be appointed for each Senator, Representative, and Delegate in Congress.

"That hereafter there shall be at the Naval Academy one midshipman from Porto Rico, who shall be a native of said island, and whose appointment shall be made by the President on the recommendation of the Governor of Porto Rico.

"That after January first, nineteen hundred and four, all candidates for admission to the Naval Academy at the time of their examination must be between the ages of sixteen and twenty years."

"All candidates for admission into the academy shall be examined according to such regulations and at such stated times as the Secretary of the Navy may prescribe. Candidates rejected at such examination shall not have the privilege of another examination for admission to the same class, unless recommended by the board of examiners." (R. S. sec. 1515.)

"When any candidate who has been nominated upon the recommendation of a Member or Delegate of the House of Representatives is found, upon examination, to be physically or mentally disqualified for admission, the Member or Delegate shall be notified to recommend another candidate, who shall be examined according to the provisions of the preceding section." (R. S. sec. 1516.)

An act of Congress approved April 9, 1906, reads as follows:

"AN ACT Granting authority to the Secretary of the Navy, in his discretion, to dismiss midshipmen from the United States Naval Academy and regulating the procedure and punishment in trials for hazing at the said academy

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That it shall be the duty of the Superintendent of the United States Naval Academy, whenever he shall believe the continued presence of any midshipman at the said academy to be contrary to the best interests of the service, to report in writing such fact, with a full statement of the facts upon which are based his reasons for such belief, to the Secretary of the Navy, who, if after due consideration of the said report he shall deem the superintendent's said belief reasonable and well founded, shall cause a copy of the said report to be served upon the said midshipman and require the said midshipman to show cause in writing and within such time as the said Secretary shall deem reasonable, why he should not be dismissed from the said academy; and after due consideration of any cause so shown the said Secretary may, in his discretion, but with the written approval of the President, dismiss such midshipman from the said academy. And the truth of any issue of fact so raised, except upon the record of demerit, shall be determined by a board of inquiry convened by the Secretary of the Navy under the rules and regulations for the government of the Navy.

"SEC. 2. That so much of the acts approved June twenty-third eighteen hundred and seventy-four, and March third, nineteen hundred and three, as requires the Superintendent of the United States Naval Academy to convene a

court-martial in all cases when it shall come to the knowledge of the said superintendent that any midshipman has been guilty of the offense commonly known as 'hazing,' and declares the finding of a court-martial so convened, when approved by the said superintendent, final, and directs that any midshipman found guilty by such court-martial shall be summarily dismissed from the said academy, and also all other acts or parts of acts inconsistent with the present act, are hereby repealed, and that the offense known as 'hazing' may hereafter be proceeded against, dealt with, and punished as offenses against good order and discipline and for violation and breaches of the rules of said academy. But no midshipman shall be dismissed for a single act of hazing except under the provisions of section three of this act.

"SEC. 3. That the Superintendent of the United States Naval Academy may, in his discretion, and with the approval of the Secretary of the Navy, cause any midshipman in the said academy to be tried by court-martial for the offense of hazing, as provided by the act approved June twenty-third, eighteen hundred and seventy-four, and such court-martial, upon conviction, may sentence such midshipman to any punishment authorized by the said act or by the act approved March third, nineteen hundred and three, or authorized for any violation or breach of the rules of the said academy by the said rules, or in cases of brutal or cruel hazing, may, in addition to dismissal, sentence such midshipman to imprisonment for a period not exceeding one year: *Provided*, That such midshipman shall not be confined in a military or naval prison or elsewhere with men who have been convicted of crimes or misdemeanors; and such finding and sentence shall be subject to review by the convening authority and by the Secretary of the Navy, as in the cases of other courts-martial.

"SEC. 4. That the offense of 'hazing,' as mentioned in this act, shall consist of any unauthorized assumption of authority by one midshipman over another midshipman whereby the last-mentioned midshipman shall or may suffer or be exposed to suffer any cruelty, indignity, humiliation, hardship, or oppression, or the deprivation or abridgment of any right, privilege, or advantage to which he shall be legally entitled.

"SEC. 5. That it shall be the duty of every professor, assistant professor, academic officer, or any cadet officer or cadet petty officer, or instructor, as well as every other officer stationed at the United States Naval Academy, to promptly report to the superintendent thereof any fact which comes to his attention tending to indicate any violation by a midshipman or midshipmen of any of the provisions of this act or any violation of the regulations of the said academy. Any naval officer attached to the academy who shall fail to make such report as provided in this section shall be tried by court-martial for neglect of duty, and, if convicted, he shall be dismissed from the service. Any civilian instructor attached to the academy who shall fail to make such report as provided in this section shall be dismissed by the superintendent of the academy upon the approval of the Secretary of the Navy.

"SEC. 6. That this act shall take effect from the date of its approval, but no midshipman now connected with the United States Naval Academy shall, by reason of its enactment, be punished for any offense heretofore committed otherwise than in pursuance of the sentence of a court-martial if by existing law such sentence would be now necessary for such punishment or punished more severely than is now by law allowed for any offense heretofore committed: *Provided*, That any midshipman now in said Naval Academy may waive his right to trial by court-martial under existing law for any offense of hazing heretofore committed and may accept punishment under the provisions of section two of this act."

By an act of Congress, June 29, 1906, it was provided that—

“Hereafter, the Secretary of the Navy shall, as soon as possible after the first day of June of each year preceding the graduation of the midshipmen on the succeeding year, notify in writing each Senator, Representative, and Delegate in Congress of any vacancy that will exist at the Naval Academy because of such graduation, or that may occur for other reasons, and which he shall be entitled to fill by nomination of a candidate and one or more alternates therefor. The nomination of a candidate and alternate or alternates to fill said vacancy shall be made upon the recommendation of the Senator, Representative, or Delegate, if such recommendation is made by the fourth day of March of the year following that in which said notice in writing is given, but if it is not made by that time the Secretary of the Navy shall fill the vacancy by appointment of an actual resident of the State, congressional district, or Territory, as the case may be, in which the vacancy will exist, who shall have been for at least two years immediately preceding the date of his appointment an actual and bona fide resident of the State, congressional district, or Territory in which the vacancy will exist, and of legal qualification under the law as now provided. In cases where by reason of a vacancy in the membership of the Senate or House of Representatives or by the death or declination of a candidate for admission to the academy there occurs or is about to occur at the academy a vacancy from any State, district, or Territory that can not be filled by nomination as herein provided, the same may be filled as soon thereafter and before the final entrance examination for the year as the Secretary of the Navy may determine. The candidates allowed for the District of Columbia and all candidates appointed at large, together with alternates therefor, shall be selected by the President within the period herein prescribed for nomination of other candidates: *Provided*, That the President may select a candidate for the District of Columbia for the year nineteen hundred and eight.

“No person shall be admitted for instruction at the Naval Academy at Annapolis from any foreign country except upon authority of law hereafter enacted.”

By an act of Congress approved March 7, 1912, it was provided—

“That the course at the Naval Academy shall be four years, and midshipmen on graduation shall be commissioned ensigns: *Provided*, That midshipmen now performing two years' service at sea in accordance with existing law shall be commissioned forthwith as ensigns from the date of the passage of this act: *And provided*, That those midshipmen of the class which was graduated in nineteen hundred and nine, who have completed two years' service afloat, and who are due for promotion, shall be commissioned ensigns to take rank with the other members of their class, according to their standing as determined by their final multiples, respectively, for the six years' course, from the fifth day of June, nineteen hundred and eleven, the date of rank to which they were entitled prior to the passage of this act: *And provided further*, That no back pay or allowances shall result by reason of the passage of this act.”

The class graduating from the Naval Academy June, 1912, was the first class to be graduated as ensigns.

By an act of Congress approved July 9, 1913, it was provided—

“That after June thirtieth, nineteen hundred and thirteen, and until June thirtieth, nineteen hundred and nineteen, there shall be allowed at the Naval Academy two midshipmen for each Senator, Representative, and Delegate in Congress, one for Porto Rico, two for the District of Columbia, and ten appointed each year at large: *Provided*, That the midshipmen on graduation shall be commissioned ensigns in the Navy or may be assigned by the Secretary of the Navy to fill vacancies in the lowest commissioned grades of the Marine Corps or Staff Corps of the Navy.”

By an act of Congress passed June 30, 1914, it was provided—

“Hereafter, in addition to the appointments of midshipmen to the United States Naval Academy as now prescribed by law, the Secretary of the Navy is allowed fifteen appointments annually from the enlisted men of the Navy who are citizens of the United States and not more than twenty years of age on the date of entrance to the Naval Academy, and who shall have served not less than one year as enlisted men on the date of entrance: *Provided*, That such appointments shall be made in the order of merit from candidates who have in competition with each other passed the mental examination now or hereafter required by law for entrance to the Naval Academy, and who passed the physical examination required before entrance under existing law.”

An act of Congress approved February 15, 1916, reads as follows:

“*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled*, That hereafter there shall be allowed at the United States Naval Academy three midshipmen for each Senator, Representative, and Delegate in Congress, one for Porto Rico, two for the District of Columbia, ten appointed each year at large, and fifteen appointed annually from enlisted men of the Navy, as now authorized by law.

“SEC. 2. That all acts or parts of acts inconsistent with the provisions of this act are hereby repealed.”

Public Resolution, No. 7, Sixty-fourth Congress, approved February 15, 1916, provides as follows:

“*Resolved by the Senate and House of Representatives of the United States of America in Congress assembled*, That the Secretary of the Navy be, and he hereby is, authorized to permit Mr. Carlos Hevia y Reyes Gavilan, a citizen of Cuba, to receive instruction at the United States Naval Academy at Annapolis: *Provided*, That no expense shall be caused to the United States thereby, and that the said Carlos Hevia y Reyes Gavilan shall agree to comply with all regulations for the police and discipline of the academy, to be studious, and to give his utmost efforts to accomplish the course in the various departments of instruction, and that the said Carlos Hevia y Reyes Gavilan shall not be admitted to the academy until he shall have passed the mental and physical examinations prescribed for candidates from the United States, and that he shall be immediately withdrawn if deficient in studies, or conduct, and so recommended by the academic board.”

An act of Congress approved August 29, 1916, provides as follows:

“Hereafter, in addition to the appointment of midshipmen to the United States Naval Academy, as now prescribed by law, the President is hereby allowed fifteen appointments annually instead of ten as now prescribed by law, and the Secretary of the Navy is allowed twenty-five appointments annually instead of fifteen as now prescribed by law, the latter to be appointed from the enlisted men of the Navy who are citizens of the United States, and not more than twenty years of age on the date of entrance to the Naval Academy, and who shall have served not less than one year as enlisted men on the date of entrance: *Provided*, That such appointments shall be made in the order of merit from candidates who have in competition with each other passed the mental examination now or hereafter required by law for entrance to the Naval Academy and who passed the physical examinations required before entrance under existing laws.

“That hereafter the Secretary of the Navy is authorized to permit not exceeding four Filipinos, to be designated, one for each class, by the Governor General of the Philippine Islands, to receive instruction at the United States Naval Academy at Annapolis, Maryland: *Provided*, That the Filipinos undergoing instruction, as herein authorized, shall receive the same pay, allowances, and emoluments, to be paid out of the same appropriations, and shall be subject to

the same rules and regulations governing admission, attendance, discipline, resignation, discharge, dismissal, and graduation as are authorized by law and regulation for midshipmen appointed from the United States, but the Filipino midshipmen herein authorized shall not be entitled to appointment to any commissioned office in the United States Navy by reason of their graduation from the Naval Academy.

"Provided further, That no midshipman at the United States Naval Academy or cadet at the United States Military Academy who fails to graduate therefrom shall be eligible for appointment as a commissioned officer in the Marine Corps until after the graduation of the class of which he was a member."

An act of Congress approved March 4, 1917, provides as follows:

"Hereafter, in addition to the appointment of midshipmen to the United States Naval Academy, as now prescribed by law, the Secretary of the Navy is allowed one hundred appointments annually instead of twenty-five as now prescribed by law, to be appointed from the enlisted men of the Navy who are citizens of the United States, and not more than twenty years of age on the date of entrance to the Naval Academy, and who shall have served not less than one year as enlisted men on the date of entrance: *Provided*, That such appointments shall be made in the order of merit from candidates who have, in competition with each other, passed the mental examination now or hereafter required by law for entrance to the Naval Academy, and who passed the physical examination before entrance under existing laws.

"The President, in his discretion, is authorized to reduce the course of instruction at the Naval Academy from four to three years for a period of two years from the date of the approval of this act, and may during said two years graduate classes which have completed a three-year course."

An act of Congress approved April 25, 1917, reads as follows:

"AN ACT To increase the number of midshipmen at the Naval Academy until September first, nineteen hundred and eighteen

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That, in addition to the number of midshipmen now authorized by law, there shall be appointed during the period from the date of passage of this act until September first, nineteen hundred and eighteen, one additional midshipman for each Senator, Representative, and Delegate in Congress. Nominations shall be made for these vacancies by the Senators, Representatives, and Delegates concerned for any regular or special examination that may be ordered before that date."

An act of Congress approved December 20, 1917, reads as follows:

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That hereafter there shall be allowed at the United States Naval Academy five midshipmen for each Senator, Representative, and Delegate in Congress, one for Porto Rico, two for the District of Columbia, fifteen appointed each year at large, and one hundred appointed annually from enlisted men of the Navy, as now authorized by law.

"SEC. 2. That all acts or parts of acts inconsistent with the provisions of this act are hereby repealed."

An act of Congress approved April 2, 1918, reads as follows:

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the President be, and he is hereby, authorized, until August first, nineteen hundred and twenty-one, to reduce, in his discretion, the course of instruction at the United States Naval Academy from four to three years and to graduate classes which have completed such reduced courses of instruction."

The following classes were graduated in accordance with the act of Congress of April 2, 1918, authorizing a reduction in the course:

Class	Date graduated	Members graduated
1917	Mar. 29, 1917	182
1918	June 28, 1917	199
1919	June 6, 1918	199
1920	June 6, 1919	460
1921 (first half)	June 3, 1920	286

On June 6, 1919, the class of 1921 was divided, and the first half, according to general merit for the third-class year, became the first class and continued the three years' course; the second half became the second class and resumed the four years' course.

An act of Congress approved May 14, 1918, reads as follows:

"AN ACT To fix the age limits for candidates for admission to the United States Naval Academy

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That hereafter all candidates for admission to the Naval Academy must be not less than sixteen years of age nor more than twenty years of age on April first of the calendar year in which they enter the academy: Provided, That the foregoing shall not apply to candidates for midshipmen designated for entrance to the academy in nineteen hundred and eighteen."

An act of Congress approved July 11, 1919, reads as follows:

"Section 1 of the act entitled 'An act to increase the number of midshipmen at the United States Naval Academy,' approved December 20, 1917, is hereby amended so as to read as follows: That hereafter there shall be allowed at the United States Naval Academy five midshipmen for each Senator, Representative, Delegate in Congress, and Resident Commissioner from Porto Rico, and five for the District of Columbia, fifteen appointed each year at large, and one hundred appointed annually from enlisted men of the Navy, and members of the Naval Reserve Force on active duty, as now authorized by law."

This act also provides that all midshipmen entering the Naval Academy subsequent to June 1, 1919, shall be allowed mileage, at 5 cents per mile, while proceeding from their homes to the Naval Academy for examination and appointment as midshipmen, and that the pay of midshipmen shall hereafter be \$780 per annum.

The following clause was contained in the deficiency act approved June 5, 1920:

"That until otherwise provided by law no midshipman found deficient at the close of the last and succeeding academic terms shall be involuntarily discontinued at the Naval Academy or in the service unless he shall fail upon reexamination in the subjects in which found deficient at an examination to be held at the beginning of the next and succeeding academic terms, and the Secretary of the Navy shall provide for the special instruction of such midshipmen in the subjects in which found deficient during the period between academic terms."

A clause in the naval appropriation bill, act of July 12, 1921, provides that a candidate for midshipman so desiring may receive a credit of \$250 upon entrance toward defraying the entering expenses.

INSTRUCTIONS TO CANDIDATES FOR MIDSHIPMEN REGARDING ENTRANCE DEPOSIT

Each candidate who has qualified mentally and physically must, before being admitted as a midshipman, deposit with the midshipmen's storekeeper the sum of \$100, to be used in part payment to cover cost of uniforms, clothing, textbooks, etc. The amount deposited is not refunded but is expended for clothing and textbooks, which become the property of the midshipman.

An act of Congress approved July 12, 1921, reads as follows: "*Provided*, That hereafter each new midshipman shall, upon admission to the Naval Academy, be credited with the sum of \$250 to cover the cost of his initial clothing and equipment issue, to be deducted subsequently from his pay: *Provided further*, That the foregoing proviso shall apply to midshipmen who enter the Naval Academy during the period between June 20, 1921, and the date of the approval of this act." This sum is needed in addition to the \$100 cash deposit referred to above to complete paying for the uniforms, clothing, textbooks, etc., required before a midshipman enters upon his studies. This amount is deducted from the midshipman's pay in monthly installments. Any midshipman may, however, immediately after entering the academy repay this amount in full from his own funds and thus obviate the necessity of having a certain amount deducted monthly from his pay for this purpose. It is urgently recommended that all those midshipmen financially able to do so make the repayment as soon as possible after entering the academy.

An act providing for the readmission of certain deficient midshipmen to the United States Naval Academy, approved October 22, 1921, reads as follows:

"*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled*, That the Secretary of the Navy is authorized, upon application, to admit to and reinstate in the United States Naval Academy, subject to examination as to physical qualifications, as provided by law, but waiving the provisions of law as to age requirements, all former midshipmen at the United States Naval Academy found deficient at the end of the first term of the academic year 1920-21 whose resignations were asked for and received by the Superintendent of the Naval Academy: *Provided*, That they shall upon admission be placed in the class one year behind their former class in each case: *Provided further*, That said midshipmen affected by this act must signify their acceptance of the benefits thereof by presenting themselves for physical examination within one month of the date of its approval, and if found qualified will enter the Naval Academy immediately.

"SEC. 2. That the clause in the act approved June 5, 1920 (Forty-first Statutes p. 1028), entitled 'An act making appropriations to supply deficiencies in appropriations for the fiscal year ending June 30, 1920, and for other purposes,' which reads as follows: 'That until otherwise provided by law no midshipman found deficient at the close of the last and succeeding academic terms shall be involuntarily discontinued at the Naval Academy or in the service unless he shall fail upon reexamination in the subjects in which found deficient at an examination to be held at the beginning of the next and succeeding academic terms, and the Secretary of the Navy shall provide for the special instruction of such midshipmen in the subjects in which found deficient during the period between academic terms,' be, and the same hereby is, repealed, and section 1519 of the Revised Statutes restored to its full force and effect."

Public Resolution No. 72, Sixty-seventh Congress, approved September 18, 1922, provides as follows:

"*Resolved by the Senate and House of Representatives of the United States of America in Congress assembled*, That the Secretary of the Navy be, and hereby is, authorized to permit Mr. Willem van Doorn, a subject of the Netherlands, to receive instruction at the United States Naval Academy at Annapolis: *Provided*,

That no expense shall be caused to the United States thereby, and that the said Willem van Doorn shall agree to comply with all regulations for the police and discipline of the academy, to be studious, and to give his utmost efforts to accomplish the course in the various departments of instruction, and that the said Willem van Doorn shall not be admitted to the academy until he shall have passed the mental and physical examinations prescribed for candidates from the United States, and that he shall be immediately withdrawn if deficient in studies or conduct and so recommended by the academic board."

An act of Congress approved January 22, 1923, reads as follows:

"That no part of this appropriation shall be available for the pay of any midshipmen whose admission, subsequent to the class entering the Naval Academy next after the approval of this act, would result in exceeding at any time an allowance of three midshipmen for each Senator, Representative, and Delegate in Congress; of one midshipman for Porto Rico, a native of the island, appointed on nomination of the governor, and of one midshipman from Porto Rico, appointed on the nomination of the Resident Commissioner; and of two midshipmen for the District of Columbia: *Provided further*, That nothing herein shall be construed to repeal or modify in any way existing laws relative to the appointment of midshipmen at large or from the enlisted personnel of the naval service."

An act of Congress approved May 28, 1924, reads as follows:

"That no part of this appropriation shall be available for the pay of any midshipmen whose admission subsequent to February 9, 1924, would result in exceeding at any time an allowance of three midshipmen for each Senator, Representative, and Delegate in Congress; of one midshipman for Porto Rico, a native of the island, appointed on nomination of the governor, and of two midshipmen from Porto Rico appointed on nomination of the Resident Commissioner; and of two midshipmen for the District of Columbia: *Provided further*, That nothing herein shall be construed to repeal or modify in any way existing laws relative to the appointment of midshipmen at large or from the enlisted personnel of the naval service."

An act of Congress approved February 11, 1925, reads as follows:

"That no part of this appropriation shall be available for the pay of any midshipmen whose admission subsequent to December 13, 1924, would result in exceeding at any time an allowance of three midshipmen for each Senator, Representative, and Delegate in Congress; of one midshipman for Porto Rico, a native of the island, appointed on nomination of the governor, and of two midshipmen from Porto Rico, appointed on nomination of the Resident Commissioner; and of two midshipmen for the District of Columbia: *Provided further*, That nothing herein shall be construed to repeal or modify in any way existing laws relative to the appointment of midshipmen at large or from the enlisted personnel of the naval service."

An act of Congress approved February 28, 1925, reads as follows:

"That hereafter the Secretary of the Navy is authorized to appoint midshipmen to the Naval Academy from the enlisted men of the Naval Reserve and Marine Corps Reserve under similar conditions as prescribed by law for appointments from enlisted men of the Navy: *Provided*, That not more than twenty-five midshipmen shall be appointed in any one year under the authority contained in this section." (Sec. 8, Public No. 512—H. R. 9634.)

An act of Congress approved May 21, 1926, reads as follows:

"That no part of this appropriation shall be available for the pay of any midshipmen whose admission subsequent to January 13, 1926, would result in exceeding at any time an allowance of three midshipmen for each Senator, Representative, and Delegate in Congress; of one midshipman for Porto Rico, a native of the island, appointed on nomination of the governor, and of three

midshipmen from Porto Rico, appointed on nomination of the Resident Commissioner; and of two midshipmen for the District of Columbia: *Provided further*, That nothing herein shall be construed to repeal or modify in any way existing laws relative to the appointment of midshipmen at large from the enlisted personnel of the naval service or from the Naval Reserve: *And provided further*, That in computing for any purpose the length of service of any officer of the Navy, of the Marine Corps, of the Coast Guard, of the Coast and Geodetic Survey, or of the Public Health Service, who was appointed to the United States Naval Academy or to the United States Military Academy after March 4, 1913, the time spent at either academy shall not be counted."

An act of Congress approved June 8, 1926, reads as follows:

"That the number of cadets now authorized by law at the United States Military Academy, and the number of midshipmen now authorized by law at the United States Naval Academy, are each hereby increased by forty from the United States at large, to be appointed by the President from among the sons of officers, soldiers, sailors, and marines of the Army, Navy, and Marine Corps of the United States who were killed in action or died prior to July 2, 1921, of wounds or injuries received or disease contracted in line of duty during the World War: *Provided*, That one-half shall be appointed from among the sons of officers, and one-half from among the sons of warrant officers, soldiers, sailors, and marines of the Army, Navy, and Marine Corps." (Public Act 348.)

An act of Congress approved February 26, 1927, reads as follows:

"That the act entitled 'An act to fix the age limits for candidates for admission to the United States Naval Academy,' approved May 14, 1918, be amended by the addition of the following proviso: '*Provided further*, That the foregoing shall not be held to exclude the admission of a candidate the twentieth anniversary of whose birth occurs on the 1st day of April of the calendar year in which he shall enter.'"

An act of Congress approved May 21, 1928, reads as follows:

"That no part of this appropriation shall be available for the pay of any midshipmen whose admission subsequent to March 21, 1928, would result in exceeding at any time an allowance of four midshipmen for each Senator, Representative, and Delegate in Congress; of one midshipman for Porto Rico, a native of the island, appointed on nomination of the governor, and of four midshipmen from Porto Rico, appointed on nomination of the Resident Commissioner; and of two midshipmen for the District of Columbia: *Provided further*, That nothing herein shall be construed to repeal or modify in any way existing laws relative to the appointment of midshipmen at large, from the enlisted personnel of the naval service, or from the Naval Reserve."

An act of Congress approved May 28, 1928, reads as follows:

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That hereafter there shall be allowed at the United States Naval Academy, in addition to those allowed by existing law, midshipmen appointed at large by the Vice President of the United States, equivalent in number to those allowed for each United States Senator."

An act of Congress approved June 8, 1928, reads as follows:

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Secretary of the Navy is authorized and directed to reinstate Larry Cardwell in the United States Naval Academy, of which he was a midshipman at the time of his discharge on November 19, 1926; the said Larry Cardwell to become a member of the class of 1930 on the date of reinstatement, and to be accorded all rights, privileges, and benefits to which he would have been entitled had he not been so discharged."

SUPERINTENDENTS OF THE UNITED STATES NAVAL ACADEMY

	Assumed command
Commander Franklin Buchanan	Sept. 3, 1845
Commander George P. Upshur	Mar. 15, 1847
Commander Cornelius K. Stribling	July 1, 1850
Commander Louis M. Goldsborough	Nov. 1, 1853
Capt. George S. Blake	Sept. 15, 1857
Rear Admiral David D. Porter	Sept. 9, 1865
Commodore John L. Worden	Dec. 1, 1869
Rear Admiral Christopher R. P. Rodgers	Sept. 22, 1874
Commodore Foxhall A. Parker	July 1, 1878
Rear Admiral George P. Balch	Aug. 2, 1879
Rear Admiral Christopher R. P. Rodgers	June 13, 1881
Capt. Francis M. Ramsay	Nov. 14, 1881
Commander William T. Sampson	Sept. 9, 1886
Capt. Robert L. Phythian	June 13, 1890
Capt. Philip H. Cooper	Nov. 15, 1894
Rear Admiral Frederick V. McNair	July 15, 1898
Commander Richard Wainwright	Mar. 15, 1900
Capt. Willard H. Brownson	Nov. 6, 1902
Rear Admiral James H. Sands	July 1, 1905
Capt. Charles J. Badger	July 15, 1907
Capt. John M. Bowyer	June 10, 1909
Capt. John H. Gibbons	May 15, 1911
Capt. William F. Fullam	Feb. 7, 1914
Capt. Edward W. Eberle	Sept. 20, 1915
Capt. Archibald H. Scales	Feb. 12, 1919
Rear Admiral Henry B. Wilson	July 5, 1921
Rear Admiral Louis M. Nulton	Feb. 23, 1925
Rear Admiral Samuel S. Robison	June 16, 1928

BOARD OF VISITORS

BY THE PRESIDENT

Mr. Leroy T. Vernon.	Mr. Warren Kearny.
Rear Admiral Henry T. Mayo, U. S. N. (retired). ¹	Hon. Luke Lea. ²
Mr. Everit J. Sadler. ²	Mr. H. Gerrish Smith.
	Mr. Joshua Green.

BY THE VICE PRESIDENT

Senator Frederick Hale. ²	Senator Henry J. Allen. ²
Senator Millard E. Tydings. ²	Senator Edwin S. Broussard. ²
Senator Phillips Lee Goldsborough. ²	

BY THE SPEAKER OF THE HOUSE

Representative Fred A. Britten. ²	Representative Harcourt J. Pratt. ²
Representative Royal C. Johnson.	Representative John M. Evans.
Representative C. Ellis Moore.	Representative Edgar Howard.

Commander W. N. Richardson, jr., United States Navy, Secretary to Board of
Visitors

¹ Chairman.

² Were not present.

ACADEMIC CALENDAR, 1930-31

1930.

September 26---- Beginning of first term----- Friday.

1931.

February 2-----	Beginning of second term-----	Monday.
February 18-----	Examination of candidates-----	Wednesday.
April 15-----	Examination of candidates-----	Wednesday.
May 29-----	End of academic year-----	Friday.
May 30 to June 4	Graduation week-----	Saturday to Thursday.
June 4-----	Graduation day-----	Thursday.
June 5-----	Beginning of summer term-----	Friday.
September 24----	End of summer term-----	Thursday.
September 25----	Beginning of academic year 1931-32	Friday.

The academic months for 1930-31 will end as follows:

FIRST TERM		SECOND TERM	
October-----	October 25.	February-----	February 28.
November-----	November 22.	March-----	March 28.
December-----	December 20.	April-----	April 25.
January-----	January 31.	May-----	May 29.

Holidays:

Thanksgiving, Thursday, November 27, 1930.

Christmas holiday, December 20, 1930, to January 1, 1931.

Washington's Birthday, Monday, February 23, 1931.

Decoration Day, Saturday, May 30, 1931.

Lent:

Ash Wednesday, February 18.

Good Friday, April 3.

Easter Sunday, April 5.

Date for Board of Visitors, April 27-30 (inclusive).

CALENDAR FOR 1930 AND 1931

BOLD FIGURES DENOTE END OF ACADEMIC MONTH

SEPTEMBER							APRIL						
Su	M	T	W	T	F	S	Su	M	T	W	T	F	S
7	1	2	3	4	5	6	5	6	7	8	9	10	11
14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	30					26	27	28	29	30		
OCTOBER							MAY						
5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	17	18	19	20	21	22	23
19	20	21	22	23	24	25	26	25	26	27	28	29	30
26	27	28	29	30	31		31						
NOVEMBER							JUNE						
2	3	4	5	6	7	8	7	8	9	10	11	12	13
9	10	11	12	13	14	15	16	15	16	17	18	19	20
16	17	18	19	20	21	22	21	22	23	24	25	26	27
23	24	25	26	27	28	29	28	29	30	31			
DECEMBER							JULY						
7	1	2	3	4	5	6	5	6	7	8	9	10	11
14	15	16	17	18	19	20	14	15	16	17	18	19	20
21	22	23	24	25	26	27	21	22	23	24	25	26	27
28	29	30	31				26	27	28	29	30	31	
JANUARY							AUGUST						
4	5	6	7	8	9	10	2	3	4	5	6	7	8
11	12	13	14	15	16	17	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22
25	26	27	28	29	30	31	23	24	25	26	27	28	29
FEBRUARY							SEPTEMBER						
1	2	3	4	5	6	7	6	7	8	9	10	11	12
8	9	10	11	12	13	14	13	14	15	16	17	18	19
15	16	17	18	19	20	21	20	21	22	23	24	25	26
22	23	24	25	26	27	28	27	28	29	30	31		
MARCH							OCTOBER						
1	2	3	4	5	6	7	4	5	6	7	8	9	10
8	9	10	11	12	13	14	11	12	13	14	15	16	17
15	16	17	18	19	20	21	18	19	20	21	22	23	24
22	23	24	25	26	27	28	25	26	27	28	29	30	31

DEPARTMENTAL ASSIGNMENTS OF OFFICERS AND CIVILIAN INSTRUCTORS ATTACHED TO THE UNITED STATES NAVAL ACADEMY, 1930-31

ADMINISTRATION

Rear Admiral SAMUEL S. ROBISON, *Superintendent.*

Commander DONALD B. BEARY, *Aide.*

Lieut. Commander DANIEL E. BARBEY, *Aide for Academic Activities.*

Mr. PETER H. MAGRUDER, *Secretary, Naval Academy.*

BUILDINGS AND GROUNDS

Capt. JOHN H. NEWTON, *Aide, In Charge of Buildings and Grounds.*

Lieut. Commander ELLIOTT B. NIXON, *Assistant to Aide in Charge of Buildings and Grounds.*

Lieut. Commander HUGO C. FISCHER (C. E. C.), *Assistant to Aide in Charge of Buildings and Grounds.*

EXECUTIVE DEPARTMENT

Capt. CHARLES P. SNYDER, *Commandant of Midshipmen.*

Commander JOHN S. BARLEON.

Commander HENRY G. COOPER, Jr.

Commander JOSEPH M. DEEM.

Lieut. Commander GEORGE L. WEYLER.

Lieut. Commander THOMAS S. KING, 2d.

Lieut. Commander GEORGE J. Mc-MILLIN.

Lieut. Commander DAVIS De TREVILLE.

Lieut. Commander ARCHIE E. GLANN.

Lieut. Commander CHARLES W. WEITZEL.

Lieut. CHARLES L. ANDREWS, Jr.

Lieut. ROBERT BOLTON, Jr.

Lieut. RICHARD H. CRUZEN.

Lieut. GEORGE E. PALMER.

Lieut. ROBERT B. ROTHWELL.

Lieut. BYRON S. ANDERSON.

Lieut. JAMES H. THACH, Jr.

Lieut. (J. G.) WINSTON P. FOLK.

Capt. ROLAND W. SCHUMANN (S. C.), *Midshipmen's Commissary Officer.*

Capt. DAVID G. McRITCHIE (S. C.), *Midshipmen's Storekeeper and Pay Officer.*

Lieut. ROBERT R. THOMPSON (S. C.), *Assistant to Midshipmen's Commissary Officer.*

Lieut. ALBERT W. ELDRED (S. C.), *Assistant to Midshipmen's Commissary Officer.*

Lieut. WILLIAM H. PHILLIPS (S. C.), *in Charge of Navy Commissary Store.*

Chief Pay Clerk THOMAS E. WRIGHT, *Navy Commissary Store.*

Asst. Prof. JOSEPH W. CROSLEY.

DEPARTMENT OF SEAMANSHIP AND FLIGHT TACTICS

Commander LEMUEL M. STEVENS.

Commander FRANKLIN P. CONGER.

Lieut. Commander BOLIVAR V. MEADE.

Lieut. Commander ROBERT M. HINCKLEY.

Lieut. Commander HIESTER HOOGEWERFF.

Lieut. Commander LAURANCE T. DUBOSE.

Lieut. Commander KARL R. SHEARS.

Lieut. Commander ROBERT B. MATTHEWS.

Lieut. Commander FORREST P. SHERMAN.

Lieut. PETER K. FISCHLER.

Lieut. ROBERT L. MITTEN.

Lieut. HERBERT R. SOBEL.

Lieut. ELMER R. RUNQUIST.

Lieut. CARL F. ESPE.

Lieut. EDWARD C. METCALFE.

Lieut. HAROLD E. PARKER.
 Lieut. SHERMAN R. CLARK.
 Lieut. (J. G.) JOSEPH L. KANE.
 Lieut. (J. G.) WALTER C. RUSSELL, Jr.

Lieut. (J. G.) KARL G. HENSEL.
 Chief Boatswain FREDERICK
 FILBRY.

W.

DEPARTMENT OF ORDNANCE AND GUNNERY

Commander WILLIAM T. SMITH.
 Commander CHARLES E. REORDAN.
 Lieut. Commander THEODORE T. PATERSON.
 Lieut. JOHN S. PHILLIPS.
 Lieut. ERNEST E. HERRMANN.
 Lieut. PHILIP P. WELCH.
 Lieut. JOHN J. PATTERSON, 3d.
 Lieut. ROBERT B. CRICHTON.
 Lieut. WILLIAM I. LEAHY.
 Lieut. NORMAN R. HITCHCOCK.

Lieut. JAMES P. CLAY.
 Lieut. BRADFORD BARTLETT.
 Lieut. GUS R. BERNER, Jr.
 Lieut. HOWARD D. MCINTOSH.
 Lieut. CHARLES A. HAVARD.
 Lieut. THOMAS C. EVANS.
 Lieut. HENRY D. WOLLESON.
 Lieut. (J. G.) MELLISH M. LINDSAY, Jr.
 Lieut. (J. G.) BURTON DAVIS.
 Lieut. (J. G.) LOUIS A. DREXLER, Jr.
 Chief Gunner HERMAN BULLINGER.

DEPARTMENT OF NAVIGATION

Capt. WILLIAM L. CALHOUN.
 Commander HOWARD H. J. BENSON.
 Commander JAMES A. LOGAN.
 Commander WALDEN L. AINSWORTH.
 Lieut. Commander WILLIAM H. O'BRIEN, Jr.
 Lieut. Commander JOHN H. HOLT, Jr.
 Lieut. Commander THOMAS L. GATCH.
 Lieut. Commander WILLIAM G. GREENMAN.

Lieut. Commander LAURENCE WILD.
 Lieut. Commander RALPH F. SKYLEDSTEAD.
 Lieut. WILLIAM K. PHILLIPS.
 Lieut. THOMAS B. BRITTAINE.
 Lieut. CHARLES M. ABSON.
 Lieut. VALVIN R. SINCLAIR.
 Lieut. AUGUSTUS D. CLARK.

DEPARTMENT OF ENGINEERING AND AERONAUTICS

Capt. FRANK H. SADLER.
 Commander WORRALL R. CARTER.
 Lieut. Commander JAY L. KERLEY.
 Lieut. Commander RICHARD H. BOOTH.
 Lieut. Commander HANS ERTZ.
 Lieut. Commander BENJAMIN H. LINGO.
 Lieut. Commander CORNELIUS W. FLYNN.
 Lieut. Commander MYRON W. HUTCHINSON, Jr.
 Lieut. Commander CARROLL W. HAMILL.
 Lieut. Commander CASSIN YOUNG.
 Lieut. Commander PHILIP W. WARREN.
 Lieut. ROBERT P. BRISCOE.
 Lieut. PAUL H. TALBOT.
 Lieut. BENTON W. DECKER.
 Lieut. LEO B. SCHULTEN.
 Lieut. CLARENCE F. SWANSON.
 Lieut. ALLEN HOBBS.
 Lieut. AUSTIN K. DOYLE.
 Lieut. CHARLES A. WHITEFORD.

Lieut. ROGER E. NELSON.
 Lieut. AUSTIN S. KEETH.
 Lieut. MARION N. LITTLE.
 Lieut. EDWARD J. O'KANE.
 Lieut. JOHN E. FRENCH.
 Lieut. CHARLES O. COMP.
 Lieut. (J. G.) CHARLES D. BEAUMONT, Jr.
 Lieut. (J. G.) ALFRED H. RICHARDS.
 Lieut. (J. G.) WILLIAM D. WRIGHT, Jr.
 Lieut. (J. G.) WILLIAM P. McCARTY.
 Lieut. (J. G.) EUGENE L. MONAGIN.
 Commander THEODORE W. JOHNSON (Math.).
 Lieut. NOAH W. GOKEY (C. C.).
 Lieut. FLOYD A. TUSLER (C. C.).
 Lieut. WILLIAM J. MURPHY (C. C.).
 Lieut. WILLIAM H. MAGRUDER (C. C.).
 Chief Machinist JOHN M. FLAHERTY.
 Prof. CLARENCE P. BOLGIANO.
 Asso. Prof. WILLIAM E. FARRELL.
 Asso. Prof. GEORGE BENEZE.

DEPARTMENT OF MATHEMATICS

Commander HENRY E. ROSELL (C. C.).	Asso. Prof. JOHN TYLER.
Captain HERBERT L. RICE (Math.).	Asso. Prof. JAMES B. SCARBOROUGH.
Lieut. ALLEN D. BROWN.	Asso. Prof. REGINALD C. LAMB.
Lieut. FRANCIS M. ADAMS.	Asso. Prof. EUGENE S. MAYER.
Lieut. JOHN J. O'DONNELL, Jr.	Asst. Prof. WILLIAM A. CONRAD.
Lieut. WILLIAM V. O'REGAN.	Asst. Prof. LYMAN M. KELLS.
Lieut. (J. G.) JOSEPH E. M. WOOD.	Instructor JAMES R. BLAND.
Prof. CHARLES L. LEIPER.	Instructor WILLIS F. KERN.
Prof. PAUL CAPRON.	Instructor HARRY J. WINSLOW.
Prof. JAMES B. EPPES.	Instructor GEORGE A. LYLE.
Prof. JAMES N. GALLOWAY.	Instructor HERMAN C. STOTZ.
Prof. ALEXANDER DILLINGHAM.	Instructor JESSE L. CLAYTON.
Prof. GUY R. CLEMENTS.	Instructor ERNEST HAWKINS.
Prof. HENRY M. ROBERT, Jr.	Instructor JOHN RIDOUT, Jr.
Asso. Prof. LEVI T. WILSON.	Instructor ARTHUR R. MAUPIN.

DEPARTMENT OF ELECTRICAL ENGINEERING AND PHYSICS

Capt. WILHELM L. FRIEDELL.	Lieut. GEORGE D. COOPER.
Commander HARRY A. BADT.	Lieut. RALPH T. ZINN.
Lieut. Commander WILLIAM D. CHANDLER, Jr.	Lieut. DOUGLAS P. STICKLEY.
Lieut. Commander ROBERT H. ENGLISH.	Lieut. ROBERT M. PEACHER.
Lieut. Commander JOHN L. HILL.	Lieut. HORATIO D. SMITH.
Lieut. Commander LEWIS J. STECHER.	Lieut. EDWIN V. RAINES.
Lieut. Commander MELVILLE C. PARTTELLO.	Lieut. ROBERT A. KNAPP.
Lieut. Commander SCOTT UMSTED.	Lieut. FREDERICK S. HALL.
Lieut. Commander JAMES A. SCOTT.	Lieut. JOSEPH B. DUNN.
Lieut. Commander ROBERT B. DASHIELL.	Lieut. (J. G.) WILLIAM R. THAYER.
Lieut. Commander GUY B. HOOVER.	Lieut. (J. G.) HAROLD DOE.
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Lieut. Commander JAMES L. FISHER.	Lieut. (J. G.) WELLS L. FIELD.
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² Additional duty in department of hygiene.

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 Lieut. (J. G.) CHARLES F. LYNCH
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 Chief Pharmacist WILLIAM S. BURR.

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Regimental commander and staff

Bugle Corps staff

Midshipmen officers and petty officers, 1930-1931—Continued

First company	Second company	Third company	Fourth company	Fifth company	Sixth company	Seventh company	Eighth company
Cassedy, H. ——	Leon, H. S. ——	Wood, L. O. ——	Gould, F. G. ——	Klein, M. J. ——	O'Brien, J. E. ——	Holden, H. W. ——	Jones, R. E. C. ——
Midshipman sec- ond petty offi- cer.	Larson, H. L. ——	Wright, W. R. ——	Hunter, W. A., Jr. ——	Hall, M., Jr. ——	Smith, Curtis E. ——	Harper, J. F., Jr. ——	Wilson, G. S. ——
Do. ——	Aldrich, C. W. ——	Pancale, L. S. ——	Stafford, A. E. ——	Shoemaker, C. T. ——	Peters, J. M. ——	Peters, J. M. ——	McKaign, W. V. ——
Do. ——	Longton, E. W. ——	Wickens, J. H. ——	Wickens, J. H. ——	Murphy, J. A. ——	O'Neill, E. J. ——	O'Neill, E. J. ——	Kosco, D. L., Jr. ——
Do. ——	Beckmann, A. G. ——	Phifer, T. C. ——	Shater, S. J. ——	Nelson, S. T. ——	Dunn, W. A. ——	Cox, M. H. ——	Bingham, E. M. ——
Do. ——	Yancey, E. W. ——	Bass, R. H. ——	O'Connor, M. G. ——	Freelburg, S. J. ——	Carr, B. J. ——	McFarlane, D. J. ——	Moring, W. E. ——
Do. ——	Martin, M. T. ——	Swain, J. B. ——	Brown, R. S. ——	Cashburg, S. J. ——	White, R. 3d. ——	Massey, F. ——	Allen, R. W. ——
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Do. ——	King, R. D. ——	Sanns, N. J. ——	McCain, J. S., Jr. ——	Massingill, R. L. ——	Kinzie, F. A. ——	Myers, H. ——	Bitchie, C. A. ——
Do. ——	Brush, F. J. ——	Shuey, C. H. ——	Pearce, H. A. ——	Roestler, A. C. ——	Parsons, W. K. ——	Wier, H. R. ——	Smith, A. J. ——
Do. ——	Nelson, R. H. ——	Jacobs, R. H. ——	Moutumphy, G. G. ——	Sampson, R. R. ——	Miles, L. T. ——	Beclon, F. J. ——	Moses, J. H., Jr. ——
Do. ——	Copeland, N. C. ——	Mott, C. E. ——	Wilbur, R. M. ——	Crinkley, F. D. ——	Gilletto, R. G. ——	Reese, J. S. ——	Davis, D. I. ——
Do. ——	Miller, J. A. ——	Davis, J. H. ——	Gardiner, J. M. ——	Woods, W. P. ——	Huff, G. P. ——	Todd, D. W. ——	Do. ——
Do. ——	Grinstead, L. ——	Miller, N. M. ——	Cooke, E. S. ——	Madden, G. B. ——	Cook, J. H., Jr. ——	Greathouse, J. F. ——	Do. ——
Do. ——	McManus, G. B. ——	Cooper, H. C. ——	Sell, C. F. ——	Giles, W. J., Jr. ——	Pottinger, W. K. ——	Bale, H. H. ——	Drake, H. M. ——
Do. ——	Brace, F. R. ——	Garton, W. M., Jr. ——	Do. ——	Do. ——	Do. ——	Trenholme, E. P. ——	Trenholme, E. P. ——
Do. ——	Do. ——	Do. ——	Do. ——	Do. ——	Do. ——	Daniels, A. N. ——	Daniels, A. N. ——

Effective Sept. 26, 1930. Midshipmen of any rank in a unit take precedence over midshipmen of the same rank in a smaller unit. Midshipmen of the same rank in a company take precedence in order from the top down in the lists above. Seniority of midshipmen of the same rank among battalions and companies will be established by separate orders. Number in () after names in staff details indicates company assignments.

PRACTICE CRUISE, 1930

There was no regular Naval Academy practice squadron for the summer practice cruise, 1930.

Officers and midshipmen detailed for the practice cruise embarked on June 6, 1930, and disembarked August 29, 1930.

The midshipmen of the first and third classes were assigned to the following ships of battleship division 2, Scouting Fleet: *Arkansas* (flagship), *Florida*, and *Utah*.

The itinerary of the midshipmen's practice cruise was as follows:

	Arrival	Departure
Annapolis, Md.		June 6
Cherbourg, France	June 21	July 1
Kiel, Germany	July 5	July 9
Oslo, Norway	July 11	July 14
Edinburgh, Scotland (via English Channel)	July 16	July 28
Hampton Roads, Va.	Aug. 14	Aug. 18
Southern Drill Grounds (conduct target practice)	Aug. 18	Aug. 28
Annapolis, Md.	Aug. 29	-----

NOTE.—The midshipmen of the second class (1932) were retained at the Naval Academy to undergo practical instruction in aviation and engineering subjects.

MERIT ROLLS FOR 1929-30

Merit rolls, made out annually for each class, show the proficiency of the midshipmen in each branch of study. The numbers given in the table, showing the relative weight of the different branches, are used as coefficients, the final mark in each branch (on a scale of 4) being multiplied by the number assigned to that branch. The sum of the products, after adding the multiple for discipline, is the final mark of the midshipmen for the year.

In the graduating merit roll the final standing for the course is determined by the sum of the yearly multiples.

Midshipmen who attain 85 per cent of the multiple for a year shall be distinguished by a star affixed to their names on the annual merit rolls. (Regulations, U. S. Naval Academy, 1928, art. 191.)

The diplomas of midshipmen whose final multiples on the graduating merit roll are not less than 85 per cent of the maximum shall read "Passed with distinction"; those whose final multiples are less than 85 per cent but not less than 75 per cent of the maximum shall read "Passed with credit"; and those whose final multiples are less than 75 per cent of the maximum shall read "Passed." (Regulations, U. S. Naval Academy, 1928, art. 192.)

* Received 85 per cent of multiple.

a Completed course; commission withheld pending action on physical disability.

b Resignation accepted upon graduation due to physical disqualification.

c Turned back into next lower class on account of conduct.

d Sent on practice cruise on account of scholastic deficiency; later passed reexamination; graduated and commissioned.

dd Died.

e Diploma withheld; sent on practice cruise as disciplinary measure; later graduated and commissioned.

f Dismissed.

g Found physically disqualified and required to resign.

h Deficient in studies; turned back into next lower class.

i Deficient in studies; required to resign.

j Sent on practice cruise as a disciplinary measure; later dropped.

k Resigned; did not graduate.

MC Assigned to Marine Corps upon graduation.

m Voluntary resignation accepted immediately upon graduation.

n Sent on practice cruise on account of scholastic deficiency; upon expiration of cruise reexamined and again found deficient; turned back into next lower class.

o Continued with class pending results of delayed examinations.

p Turned back into this class on account of conduct.

r Resigned.

s Dropped on account of physical disqualification.

SC Assigned to Supply Corps upon graduation.

w Turned back into next lower class on account of illness.

x Deficient for first term; turned back into this class.

y Filipino: Graduated but not commissioned in Navy.

† Readmitted with class of 1934.

Originally a member of the class of 1928. Reinstated on June 23, 1928, in accordance with an act of Congress approved June 8, 1928, and ordered placed in this class. Age upon reinstatement: 21 years and 11 months.

Merit roll for the four years' course of the midshipmen of the graduating class (class of 1930), 405 members, of whom 402 graduated

Order of merit	Names	First year	Second year	Third year	Fourth year	Aggregate for four years
						1,000
	Maxima-----	100	200	300	400	
*1	Jackson, A. McB., jr-----	88.17	175.58	271.57	364.85	900.17
*2	Hines, W. T-----	87.79	175.61	270.18	352.20	885.78
*3	Evans, P. C-----	91.05	177.21	261.74	353.71	883.71
m*4	Mulit, L. H-----	87.80	173.84	265.76	349.74	877.14
m*5	Williams, G. D-----	86.79	170.53	260.99	350.59	868.90
*6	Spofford, R. T-----	88.77	172.38	260.14	346.90	868.19
*7	Hean, J. H-----	85.79	172.31	259.64	350.36	868.10
*8	Heiser, H. M-----	86.75	168.59	259.01	353.65	868.00
*9	Atkins, G. T-----	84.69	171.73	260.21	350.53	867.16
MC*10	Hughes, T. B-----	87.17	175.00	258.69	344.96	865.82
*11	Horn, P. H-----	84.26	168.05	259.23	353.80	865.34
*12	Alexander, S. M-----	87.19	169.96	260.97	346.75	864.87
*13	Ennis, W. C-----	86.52	174.55	256.98	346.57	864.62
*14	Browne, O. M., jr-----	85.11	172.21	260.78	344.35	862.45
*15	Martell, C. B-----	86.63	169.32	253.94	351.48	861.37
*16	Howard, J. H-----	84.89	166.51	253.33	350.01	854.74
*17	White, O. E-----	83.59	170.91	251.08	347.01	852.59
*18	Trippensee, B. E. S-----	89.20	172.34	256.00	334.87	852.41
*19	Moore, W. B-----	85.45	168.95	256.23	341.04	851.67
*20	Gladney, D. W., jr-----	86.53	168.09	256.75	339.85	851.22
21	Foster, R. B-----	87.65	168.05	252.18	341.64	849.52
22	Rodgers, J. W-----	85.32	167.14	255.57	341.49	849.52
23	Perkins, R. E-----	87.77	167.20	248.02	345.39	848.38
24	Gentner, W. E., jr-----	87.28	168.02	254.61	338.28	848.19
25	Hilles, F. V. H-----	79.71	163.73	254.99	348.17	846.60
26	de Vos, P. L-----	88.13	173.23	255.54	328.76	845.66
27	Simons, M. H., jr-----	86.98	163.68	252.24	342.41	845.31
m28	Weiss, F. A., jr-----	86.17	167.94	248.81	342.26	845.18
29	Briner, R. R-----	81.99	168.78	257.25	336.14	844.16
30	Coates, L. D., jr-----	87.38	167.70	246.80	341.62	843.50
b31	O'Handley, J. A. E-----	86.98	168.19	248.86	337.76	841.79
32	Dodge, H. B-----	84.51	161.25	249.99	344.40	840.15
33	Masterson, K. S-----	82.19	163.13	251.67	342.29	839.28
34	Larson, N. H-----	80.71	163.32	251.61	342.43	838.07
35	Haven, R. C-----	82.80	159.61	251.47	343.79	837.67
36	Hindman, J. A. E-----	74.81	162.57	251.87	338.27	837.52
37	Sutherland, R. T., jr-----	81.01	159.87	255.41	341.17	837.46
38	Craig, J. R-----	82.77	161.39	251.36	341.38	836.90
39	Dornin, M. E-----	87.39	167.75	245.76	335.68	836.58
MC40	Wagner, F. G., jr-----	79.72	160.71	253.56	340.53	834.52
b41	Grannis, R. L-----	84.87	168.77	250.71	328.51	832.86
42	Douw, V. P-----	87.52	164.51	245.27	334.59	831.89
43	Winant, F. I., jr-----	88.08	168.10	246.88	328.25	831.31
44	Johnson, R. W-----	82.69	164.20	251.20	332.46	830.55
45	Hughes, C. W-----	81.92	160.58	249.65	338.15	830.30

Merit roll for the four years' course of the midshipmen of the graduating class (class of 1930), 405 members, of whom 402 graduated—Continued

Order of merit	Names	First year	Second year	Third year	Fourth year	Aggregate for four years
						1,000
	Maxima-----	100	200	300	400	
46	Nixon, R. M-----	80. 82	160. 94	246. 01	341. 32	829. 09
47	Whelchel, D. L-----	88. 14	169. 78	244. 81	325. 04	827. 77
48	Adkins, J. A-----	88. 18	163. 26	241. 64	333. 75	826. 83
49	Holmes, E. P-----	83. 74	165. 70	241. 65	334. 27	825. 36
50	Walter, W. A-----	83. 71	162. 05	247. 11	332. 19	825. 06
51	Foster, W. M-----	77. 93	163. 44	249. 04	334. 38	824. 79
52	Butler, W. C., jr-----	86. 98	166. 46	239. 89	329. 16	822. 49
53	Highley, F. E., jr-----	81. 89	158. 83	245. 15	336. 55	822. 42
MC54	Moret, P-----	86. 41	162. 72	246. 57	325. 56	821. 26
55	Moore, R. L., jr-----	85. 79	163. 47	243. 74	327. 98	820. 98
56	Chafee, G. B-----	83. 47	161. 14	243. 64	331. 88	820. 13
57	Burgett, W. A-----	82. 34	161. 47	243. 14	332. 77	819. 72
58	Hayward, J. T-----	77. 74	155. 26	245. 39	341. 21	819. 60
59	Johnson, F. L-----	82. 87	161. 40	246. 70	326. 84	817. 81
MC60	Bauer, H. W-----	84. 66	170. 13	244. 98	317. 78	817. 55
61	Bardwell, F. E-----	84. 83	162. 14	242. 51	327. 91	817. 39
62	Kirvan, W. H-----	85. 13	162. 54	241. 28	327. 56	816. 51
63	Ensey, L-----	84. 03	164. 24	239. 43	328. 52	816. 22
64	Nelson, W. T-----	83. 50	160. 18	242. 32	329. 28	815. 28
MC65	McKean, W. B-----	84. 45	161. 86	243. 11	325. 59	815. 01
66	Englund, H. W-----	85. 07	162. 00	242. 12	325. 53	814. 72
67	Wesanen, W. F-----	81. 96	153. 14	242. 11	336. 60	813. 81
68	Lackner, P. R-----	85. 22	158. 52	237. 06	332. 98	813. 78
69	Lucker, N., jr-----	81. 20	154. 35	242. 88	335. 03	813. 46
70	MacKay, H. T-----	84. 24	162. 14	239. 93	326. 97	813. 28
MC71	Beans, F. D-----	83. 10	164. 51	244. 08	320. 04	811. 73
b72	Farnham, D. W-----	82. 77	157. 35	243. 07	326. 64	809. 83
73	Pieczentkowski, H. A-----	80. 89	156. 90	248. 76	323. 00	809. 55
MC74	Herndon, G. G-----	81. 74	162. 42	241. 58	323. 41	809. 15
75	Haley, T. B-----	79. 12	159. 01	243. 73	326. 91	808. 77
m76	Lampe, A. E-----	82. 45	159. 16	240. 41	326. 70	808. 72
77	Peterson, M. A-----	80. 63	156. 50	240. 95	330. 29	808. 37
78	Allen, B. C., jr-----	81. 69	161. 48	239. 86	325. 04	808. 07
79	Brook, C. B-----	85. 09	160. 59	240. 33	321. 87	807. 88
80	Randall, S. M-----	82. 03	154. 75	242. 02	327. 23	806. 03
81	Butterfield, G. N-----	86. 34	163. 82	239. 89	315. 20	805. 25
82	Heyward, A. S., jr-----	79. 30	157. 92	243. 49	323. 46	804. 17
83	Kinert, J. O-----	83. 26	157. 44	240. 77	322. 66	804. 13
84	Knoll, D. W-----	80. 88	157. 19	234. 68	330. 85	803. 60
85	Gluntz, M. H-----	86. 24	162. 18	237. 34	317. 83	803. 59
86	Hart, C. D-----	76. 36	152. 11	237. 11	337. 63	803. 21
87	Burns, M. C-----	78. 52	153. 26	237. 86	332. 61	802. 25
88	Krick, D. F-----	79. 88	154. 56	238. 86	328. 88	802. 18
89	Sloat, F. T-----	80. 33	155. 05	238. 47	327. 94	801. 79
m90	Epperly, W. F-----	77. 85	158. 61	242. 29	322. 89	801. 64
91	Ailes, J. W., III-----	79. 49	157. 70	239. 07	325. 31	801. 57

Merit roll for the four years' course of the midshipmen of the graduating class (class of 1930), 405 members, of whom 402 graduated—Continued

Order of merit	Names	First year	Second year	Third year	Fourth year	Aggregate for four years
						1,000
	Maxima-----	100	200	300	400	
92	Stich, F. S-----	79.67	157.72	233.84	330.06	801.29
93	Carmick, E. S-----	86.85	160.82	233.75	319.53	800.95
94	Seay, G. C-----	85.42	155.72	230.66	329.03	800.83
m95	Johnson, H. F-----	85.41	159.76	237.19	317.97	800.33
96	Forster, J. F-----	82.33	154.98	240.84	321.25	799.40
97	Sanders, E. R-----	87.40	162.25	237.25	312.36	799.26
98	Morton, D. W-----	83.02	158.61	237.13	320.42	799.18
99	Dally, R. S-----	79.70	159.06	241.16	319.23	799.15
100	McKnight, J. R., jr-----	79.44	153.55	238.41	327.61	799.01
101	Quiggle, L. C-----	78.49	153.89	242.44	323.86	798.68
102	Estabrook, W. S., jr-----	83.22	156.23	240.80	316.64	796.89
103	Dennis, J. R-----	81.54	158.39	236.43	320.49	796.85
104	Stroh, R. J-----	76.50	157.32	239.58	322.80	796.20
105	Lee, J. E-----	79.29	156.00	237.30	321.61	794.20
106	Wadsworth, A. S. C-----	81.17	154.90	231.99	325.98	794.04
107	Hansen, H. O-----	76.48	147.80	236.32	333.13	793.73
108	Corbus, J-----	82.65	153.68	233.89	323.50	793.72
109	Fuetsch, B. A-----	83.53	153.94	231.30	324.89	793.66
110	Engleman, C. L-----	80.29	158.32	241.71	313.12	793.44
111	Dorsey, J. S-----	77.45	154.50	236.44	324.83	793.22
112	Trower, R. S., 3d-----	82.47	158.60	241.57	309.22	791.86
m113	Stretch, D. A-----	80.81	153.85	241.19	315.73	791.58
114	Earle, O. J-----	82.54	157.07	236.90	314.74	791.25
b115	Riva, V. E-----	87.34	163.11	230.85	309.22	790.52
116	Lewis, J. M-----	82.97	158.74	232.53	316.13	790.37
117	Swan, B. F-----	80.26	155.23	235.21	319.50	790.20
118	Scull, G-----	80.48	158.04	232.51	319.11	790.14
MC119	Greene, W. M-----	84.76	156.92	233.10	315.30	790.08
120	Gaulin, V. S-----	83.53	156.82	237.39	312.22	789.96
121	Corey, H. G-----	82.40	154.03	232.75	320.77	789.95
122	Grove, A. E-----	82.20	154.64	233.42	319.08	789.34
123	Hilton, C. G-----	84.12	164.89	234.40	305.88	789.29
124	Massey, L. E-----	81.08	152.22	240.92	315.05	789.27
125	Sands, E. T-----	78.21	156.11	233.67	321.27	789.26
126	Ross, R. R-----	78.73	156.81	228.67	325.02	789.23
127	Davis, J. W-----	80.08	154.28	228.68	325.86	788.90
b128	Bates, R. H-----	77.41	150.72	234.24	326.11	788.48
129	Gubbins, W. W-----	81.61	155.09	232.21	318.90	787.81
130	Sass, D. J-----	80.06	153.28	237.17	317.29	787.80
131	Stevens, C. B., jr-----	81.47	151.86	233.71	320.70	787.74
132	Burden, H. P-----	79.41	153.30	233.05	321.97	787.73
133	Carpenter, G. C-----	82.41	156.17	233.79	313.95	786.32
134	Luongo, F. P., jr-----	82.36	155.91	230.06	317.77	786.10
135	Gentry, K. M-----	82.40	154.44	235.63	313.38	785.85
136	Wogan, T. L-----	81.58	150.76	231.14	321.47	784.95

Merit roll for the four years' course of the midshipmen of the graduating class (class of 1930), 405 members, of whom 402 graduated—Continued

Order of merit	Names	First year	Second year	Third year	Fourth year	Aggregate for four years
						1,000
	Maxima-----					
137	Holley, G. M-----	79. 63	149. 84	233. 60	321. 48	784. 55
138	Esslinger, R. J-----	79. 40	155. 83	234. 43	314. 59	784. 25
139	Rohr, C. H. A-----	83. 59	161. 14	229. 72	309. 77	784. 22
140	Marshall, T. W., jr-----	81. 17	145. 45	234. 70	322. 73	784. 05
141	Drane, W. McC-----	84. 51	152. 10	232. 41	314. 94	783. 96
m142	Neal, A. W-----	80. 35	152. 01	231. 99	319. 30	783. 65
143	Kohlhas, A. P., jr-----	81. 65	152. 05	230. 50	319. 12	783. 32
144	Miller, A. S-----	81. 15	154. 65	233. 80	313. 34	782. 94
145	Dodson, J. E-----	77. 42	148. 72	237. 55	318. 87	782. 56
146	Grant, J. D. L-----	81. 14	150. 76	230. 82	319. 50	782. 22
147	Miller, F. B-----	77. 43	150. 27	238. 35	316. 14	782. 19
148	Kyes, J. E-----	82. 74	156. 10	231. 68	311. 66	782. 18
149	McClain, W. H-----	77. 52	148. 81	233. 98	321. 58	781. 89
150	Gragg, J. B-----	79. 91	153. 43	231. 86	316. 28	781. 48
151	Clark, H. G-----	78. 52	151. 94	236. 67	314. 29	781. 42
152	Taylor, R. H-----	76. 69	154. 00	235. 51	314. 96	781. 16
153	MacGregor, E. J., 3d-----	80. 53	156. 38	232. 66	311. 43	781. 00
154	Agnew, J-----	74. 66	147. 96	234. 64	323. 25	780. 51
155	Blackburn, P. P., jr-----	80. 28	150. 55	231. 86	317. 08	779. 77
156	Brady, P. H-----	77. 98	150. 11	226. 73	324. 83	779. 65
157	Renfro, E. C-----	78. 38	151. 42	238. 01	311. 70	779. 51
m158	Canaday, H. R-----	81. 02	153. 40	231. 40	312. 35	778. 17
159	Lord, C. W-----	83. 76	153. 52	232. 73	308. 07	778. 08
160	Stevens, J. E-----	83. 73	156. 03	227. 57	310. 44	777. 77
161	Rigsbee, E. O., jr-----	81. 16	152. 34	230. 88	313. 15	777. 53
SC162	Prien, W. F-----	82. 73	147. 52	227. 21	319. 60	777. 06
163	Moreno, J. A-----	83. 70	148. 32	227. 40	317. 29	776. 71
164	Tatom, J. F-----	80. 93	157. 03	229. 06	308. 96	775. 98
165	Craighill, R. R-----	78. 43	151. 38	231. 27	314. 28	775. 36
SC166	Bourgeois, A. J-----	72. 55	162. 66	228. 15	311. 90	775. 26
167	Armstrong, J. H., jr-----	80. 56	153. 90	226. 35	314. 19	775. 00
168	McGregor, L. D., jr-----	79. 95	151. 37	228. 22	315. 07	774. 61
169	Lawver, R. C-----	75. 89	152. 44	233. 35	312. 35	774. 03
170	Malpass, R. E-----	76. 94	145. 49	230. 41	320. 92	773. 76
171	Palmer, G. G-----	79. 98	152. 79	232. 61	307. 38	772. 76
172	Young, J. B. H-----	81. 21	151. 07	230. 10	310. 27	772. 65
173	Marshall, E. S. L-----	78. 57	151. 42	222. 54	320. 07	772. 60
174	McCombs, C. E-----	76. 58	146. 87	231. 91	316. 44	771. 80
175	Newton, R. A-----	74. 16	142. 36	232. 68	322. 50	771. 70
176	Burgess, J. G-----	80. 01	152. 58	231. 22	307. 25	771. 06
177	Miller, T. T-----	78. 98	146. 66	226. 83	318. 12	770. 59
178	Rutter, R. L-----	82. 58	152. 46	226. 02	309. 20	770. 26
179	Heming, H. M-----	78. 15	146. 54	232. 59	312. 92	770. 20
180	Arwine, S. M-----	75. 87	149. 56	227. 89	316. 26	769. 58
181	Clarkson, J. S-----	79. 91	153. 32	229. 29	307. 05	769. 57
182	Lincoln, H. A-----	78. 79	157. 37	229. 34	303. 93	769. 53

Merit roll for the four years' course of the midshipmen of the graduating class (class of 1930), 405 members, of whom 402 graduated—Continued

Order of merit	Names	First year	Second year	Third year	Fourth year	Aggregate for four years
		100	200	300	400	1,000
	Maxima-----					
183	Conn, R. J. H-----	80. 57	149. 10	226. 80	313. 04	769. 51
184	Hanlin, P. W-----	83. 26	156. 36	227. 97	301. 71	769. 30
185	Jones, L. J-----	80. 63	153. 89	226. 98	307. 69	769. 19
186	Heap, G. L-----	83. 95	154. 64	228. 15	302. 39	769. 13
187	Brodie, G. K-----	75. 48	148. 64	230. 34	314. 63	769. 09
MC188	Williams, F. H-----	80. 22	145. 78	228. 88	314. 16	769. 04
189	Cook, G-----	80. 94	154. 08	223. 86	309. 72	768. 60
190	Lang, J. G-----	76. 79	148. 54	229. 49	313. 42	768. 24
MC191	Boyle, S-----	78. 49	147. 34	231. 62	309. 69	767. 14
m192	Edgerton, E. W-----	79. 76	150. 41	227. 72	309. 11	767. 00
193	Chambers, G. M-----	76. 70	144. 71	226. 91	318. 65	766. 97
194	Halstead, M-----	74. 85	149. 69	226. 56	315. 32	766. 42
195	Vorhees, M. E-----	78. 42	147. 07	228. 00	312. 80	766. 29
MC196	Russell, P. W-----	77. 55	149. 46	231. 57	307. 28	765. 86
197	Kosco, G. F-----	78. 44	156. 01	227. 35	303. 75	765. 55
198	Kiefer, D-----	81. 90	153. 85	223. 92	305. 83	765. 50
199	Shaffer, J. J., 3d-----	79. 61	151. 15	226. 09	308. 57	765. 42
200	Badger, H. P-----	72. 86	144. 90	228. 31	319. 34	765. 41
201	Weller, S. P., jr-----	78. 83	151. 47	226. 32	308. 58	765. 20
202	House, H. A-----	80. 67	152. 34	222. 68	309. 40	765. 09
203	McCready, G. T., jr-----	79. 90	152. 27	227. 68	303. 98	763. 83
204	Salisbury, J. S-----	78. 87	148. 70	227. 92	308. 15	763. 64
205	Hulme, J-----	79. 87	153. 51	227. 12	303. 08	763. 58
206	Reinhard, W. A-----	77. 75	147. 82	227. 44	309. 54	762. 55
207	Bauer, R. C-----	84. 82	156. 86	221. 38	299. 16	762. 22
208	Laing, F. W-----	76. 63	143. 48	230. 68	311. 31	762. 10
209	Wylie, W. N-----	78. 23	149. 15	227. 31	307. 28	761. 97
210	Adams, C. R-----	80. 73	148. 60	226. 24	306. 11	761. 68
211	Sharp, R. N-----	80. 37	146. 91	230. 11	304. 24	761. 63
212	Breault, J. L., jr-----	81. 00	146. 09	226. 90	307. 32	761. 31
213	Boyle, L. DeV-----	80. 11	151. 33	224. 65	304. 83	760. 92
214	O'Beirne, E-----	79. 65	154. 24	227. 23	299. 32	760. 44
a215	Dorner, E. P-----	76. 65	146. 61	226. 12	310. 91	760. 29
216	Spence, H. W-----	78. 98	148. 86	223. 03	308. 19	759. 06
217	Brumby, E-----	82. 31	146. 32	225. 46	304. 49	758. 58
218	Adams, S-----	82. 01	152. 00	222. 58	301. 75	758. 34
219	Lowrance, V. L-----	73. 94	147. 52	226. 83	309. 96	758. 25
m220	Thompson, L. C-----	75. 99	152. 14	225. 82	304. 30	758. 25
221	Harris, D. A-----	75. 15	141. 07	230. 49	311. 45	758. 16
222	Herms, C. R-----	80. 15	147. 59	224. 56	305. 07	757. 37
MC223	Steiner, W. B-----	76. 14	146. 45	222. 01	312. 39	756. 99
b224	Maynard, R. H-----	78. 22	148. 49	224. 00	305. 85	756. 56
225	Garcia, G. E-----	78. 24	149. 57	225. 66	302. 82	756. 29
226	Snead, W. O., jr-----	76. 23	144. 28	228. 28	306. 46	755. 25
227	May, L. G-----	77. 31	147. 59	224. 23	305. 98	755. 11
228	Colestock, E. E-----	79. 42	152. 83	221. 86	300. 55	754. 66

Merit roll for the four years' course of the midshipmen of the graduating class (class of 1930), 405 members, of whom 402 graduated—Continued

Order of merit	Names	First year	Second year	Third year	Fourth year	Aggregate for four years
						1,000
	Maxima-----					
MC229	Reinecke, F. M-----	76.62	143.38	220.69	313.78	754.47
230	Little, E. N-----	79.73	152.31	231.04	291.15	754.23
231	Thomas, W. C-----	77.38	147.70	226.87	302.19	754.14
232	Ostrom, C. H-----	74.62	142.07	228.94	308.41	754.04
233	Hunt, R. C. D., jr-----	76.39	153.08	219.92	304.62	754.01
234	Thornhill, T. J., jr-----	75.61	153.84	226.50	298.02	753.97
235	Ruff, L. E-----	82.18	149.51	229.15	292.84	753.68
236	Haines, N. S-----	77.23	146.43	221.59	308.18	753.43
m237	Hewitt, G. S-----	81.39	146.90	222.66	301.75	752.70
238	McMillian, I. E-----	76.80	147.46	221.39	306.98	752.63
MC239	Davis, J. M-----	74.16	144.12	219.95	314.35	752.58
240	Lowrey, W. W-----	76.94	144.60	222.85	307.72	752.11
241	Allen, W. Y., jr-----	75.38	152.51	223.91	299.58	751.38
242	Hubbard, H. S-----	78.58	148.08	227.06	297.65	751.37
m243	Smith, J. L., jr-----	77.56	147.69	220.50	305.22	750.97
244	Bisson, J. K-----	77.54	148.72	222.30	302.04	750.60
245	Strohbehn, W. W-----	77.78	144.85	222.74	305.21	750.58
246	Hall, C. G-----	79.98	146.28	222.44	301.33	750.03
b247	Drake, N. D'A-----	80.04	150.97	223.80	294.95	749.76
248	Grantham, E. B., jr-----	76.20	150.81	219.24	303.36	749.61
249	Whitfield, J. D., jr-----	77.00	144.39	222.50	305.66	749.55
250	Andrews, C. H-----	75.82	144.16	223.88	305.51	749.37
MC251	Fromhold, W. H-----	77.92	149.29	223.09	298.62	748.92
252	Earl, C. E-----	79.44	152.72	221.87	294.23	748.26
253	Thibault, J. L-----	73.11	144.29	222.94	307.87	748.21
254	Cass, R. S-----	82.01	149.71	216.67	299.68	748.07
MC255	Wilbur, J. T-----	75.88	144.16	222.14	305.70	747.88
MC256	Hayes, C. H-----	76.38	148.35	222.69	300.40	747.82
257	McCullough, M. L., jr-----	77.20	145.99	224.66	299.49	747.34
258	Charneco, C. M-----	77.63	156.39	217.18	296.13	747.33
259	Lucas, F. C., jr-----	78.53	149.62	216.59	302.56	747.30
m260	West, A. R-----	73.85	142.08	222.20	309.04	747.17
261	Ebert, W. G-----	76.22	139.46	222.14	309.18	747.00
MC262	Weller, D. M-----	76.07	143.86	221.16	305.76	746.85
m263	Holt, H. W-----	75.92	147.71	220.38	302.77	746.78
b264	Sheeley, W. R-----	81.78	153.67	216.94	294.20	746.59
265	Mauro, C. T., jr-----	80.76	148.16	220.36	297.30	746.58
b266	Blanning, E. J., jr-----	80.09	146.63	221.39	298.09	746.20
m267	Stewart, W. H-----	77.32	144.74	218.29	305.41	745.76
268	Dealey, S. D-----	83.21	146.34	214.24	301.91	745.70
MC269	Yeaton, S. S-----	79.04	146.58	222.60	296.75	744.97
270	Kelly, E. G-----	75.26	141.11	222.27	305.65	744.29
MC271	Montgomery, E. A-----	79.27	149.94	216.61	298.47	744.29
b272	McPeake, R. H-----	79.03	148.43	220.40	296.27	744.13
273	Marix, G. E-----	77.13	143.86	219.38	302.86	743.23
274	Hawkins, D. D-----	76.83	145.65	222.39	297.88	742.75

Merit roll for the four years' course of the midshipmen of the graduating class (class of 1930), 405 members, of whom 402 graduated—Continued

Order of merit	Names	First year	Second year	Third year	Fourth year	Aggregate for four years
						1,000
	Maxima-----	100	200	300	400	
275	Curley, K. E-----	76. 92	143. 97	221. 56	299. 88	742. 33
276	Cushing, D. B-----	84. 71	144. 54	216. 67	296. 21	742. 13
m277	Price, T. D-----	73. 17	150. 62	222. 51	295. 80	742. 10
b278	Cailouet, J. L., jr-----	78. 57	145. 71	220. 37	297. 25	741. 90
279	Coe, J. W-----	78. 12	143. 54	220. 75	299. 38	741. 79
280	Jenkins, W. T-----	78. 54	148. 48	218. 73	295. 59	741. 34
281	Hahn, E-----	75. 53	147. 05	215. 29	303. 43	741. 30
282	Wilson, F. E-----	73. 23	143. 71	218. 02	306. 16	741. 12
283	Bowen, J. B., jr-----	77. 62	145. 90	219. 91	297. 47	740. 90
284	Marable, H. H-----	77. 66	146. 28	221. 59	294. 99	740. 52
b285	Phillips, W. B-----	78. 55	145. 70	221. 47	294. 73	740. 45
286	Rosasco, R. A-----	78. 43	147. 93	218. 00	295. 51	739. 87
287	Wakefield, E. K-----	73. 65	141. 48	222. 25	302. 44	739. 82
288	Fairchild, M. D-----	76. 39	149. 72	216. 82	296. 89	739. 82
b289	Ashton, A. H-----	82. 59	148. 65	216. 98	290. 60	738. 82
290	Tisdale, W. G., jr-----	74. 80	144. 74	216. 09	302. 27	737. 90
291	Patten, R. M-----	75. 38	142. 01	218. 11	302. 15	737. 65
292	Van Metre, T. J-----	78. 56	142. 31	219. 80	296. 96	737. 63
293	Brokenshire, D. B-----	78. 61	146. 99	217. 53	294. 50	737. 63
294	Ellis, W. E-----	75. 08	145. 45	220. 15	296. 75	737. 43
295	Roby, A. B-----	74. 31	143. 39	225. 89	293. 69	737. 28
296	Whitaker, J. M-----	76. 54	146. 37	215. 06	299. 28	737. 25
297	Boyd, A. M., jr-----	80. 11	142. 92	228. 14	286. 01	737. 18
298	Gross, R. L-----	79. 38	147. 94	215. 45	294. 27	737. 04
299	Mayo, R. L-----	75. 70	144. 58	221. 73	294. 66	736. 67
300	Post, W. S., jr-----	77. 88	144. 68	223. 20	290. 78	736. 54
301	Briner, H. V-----	80. 51	148. 94	218. 01	289. 06	736. 52
302	Robinson, F. L-----	78. 23	149. 05	214. 59	294. 57	736. 44
303	Doyle, W. T., jr-----	75. 39	145. 16	219. 81	295. 95	736. 31
304	Coates, R. F-----	76. 65	146. 13	215. 75	297. 64	736. 17
305	Verhoye, H. J-----	76. 71	144. 37	220. 31	294. 67	736. 06
306	Block, E. M-----	72. 46	140. 51	220. 31	302. 72	736. 00
307	Smith, P. T., jr-----	74. 98	145. 13	215. 95	299. 77	735. 83
308	Hutchins, T. B., 3d-----	80. 03	141. 74	218. 14	295. 90	735. 81
MC309	Price, E. O-----	78. 42	145. 01	217. 84	294. 31	735. 58
310	Long, V. O-----	77. 63	142. 88	217. 78	296. 78	735. 07
311	Koepke, L. L-----	75. 40	143. 79	218. 15	297. 51	734. 85
312	Sanchez, H. G-----	71. 17	144. 79	217. 20	301. 65	734. 81
313	Konigsberg, A-----	74. 21	141. 77	217. 63	300. 77	734. 38
314	Moffett, W. A., jr-----	73. 31	145. 67	217. 88	297. 30	734. 16
315	McLeod, B. F-----	75. 34	148. 46	215. 95	294. 10	733. 85
MC316	Hill, R. E-----	77. 22	145. 56	222. 30	288. 46	733. 54
317	Robbins, J. A-----	77. 02	144. 79	210. 61	300. 92	733. 34
318	Sisson, J. E-----	76. 69	146. 60	220. 70	288. 59	732. 58
319	Azer, J. B-----	75. 59	143. 85	217. 01	295. 61	732. 06
320	Lynch, O. D. T-----	74. 42	144. 07	225. 84	287. 61	731. 94

Merit roll for the four years' course of the midshipmen of the graduating class (class of 1930), 405 members, of whom 402 graduated—Continued

Order of merit	Names	First year	Second year	Third year	Fourth year	Aggregate for four years
						1,000
	Maxima-----	100	200	300	400	
321	Whitehurst, E. H-----	79. 51	136. 50	214. 74	300. 74	731. 49
322	Sanders, W. H., jr-----	78. 43	145. 55	217. 38	289. 31	730. 67
323	Westhofen, C. L-----	79. 84	144. 95	214. 11	291. 63	730. 53
MC324	Daly, J. M-----	77. 95	139. 67	217. 52	295. 03	730. 17
325	Farmer, W. H-----	73. 06	155. 78	214. 33	286. 39	729. 56
MC326	Pusel, N. J-----	74. 06	144. 12	214. 29	296. 95	729. 42
327	Nix, J. J-----	76. 32	141. 42	216. 17	295. 50	729. 41
328	Wingard, W. C., jr-----	74. 32	145. 29	216. 14	293. 20	728. 95
329	Feiock, H. K-----	74. 70	144. 03	212. 65	297. 23	728. 61
MC330	Salmon, R. D-----	73. 82	144. 81	215. 47	293. 76	727. 86
331	Dimmick, J. B-----	72. 37	140. 67	221. 56	293. 21	727. 81
332	Owen, A. E-----	74. 58	147. 02	215. 66	290. 09	727. 35
333	Haile, J. R-----	82. 23	145. 07	212. 29	287. 37	726. 96
334	McGlathery, R. D-----	78. 96	143. 69	217. 40	286. 72	726. 77
335	Carter, F. M-----	73. 68	143. 73	218. 59	290. 03	726. 03
336	Smith, H-----	74. 31	139. 23	221. 59	290. 79	725. 92
337	Woodruff, J. A., jr-----	74. 05	148. 29	211. 71	290. 85	724. 90
338	Howell, J. G-----	76. 54	144. 43	212. 07	290. 51	723. 55
339	Mott, E. B., 2d-----	78. 03	139. 33	215. 50	290. 54	723. 40
340	Harmon, W. L-----	73. 23	141. 05	218. 82	289. 94	723. 04
m341	Dallman, D. E-----	73. 04	140. 57	213. 87	295. 50	722. 98
342	Harrell, N-----	74. 59	143. 97	213. 97	289. 90	722. 43
343	Sutton, R. D-----	74. 52	138. 09	212. 21	297. 39	722. 21
344	Jennings, R. F-----	74. 73	142. 85	212. 18	291. 95	721. 71
345	Newsome, J. H-----	73. 20	140. 94	213. 67	293. 58	721. 39
b346	Cable, T. H-----	73. 31	140. 28	214. 85	292. 44	720. 88
347	Campbell, N. A-----	76. 82	143. 77	213. 98	286. 18	720. 75
MC348	Lloyd, R-----	75. 12	146. 47	214. 80	284. 24	720. 63
k349	Blemker, N. L-----	77. 23	146. 79	212. 32	284. 11	720. 45
350	Webb, T. S-----	74. 75	142. 76	211. 90	290. 90	720. 31
351	Germany, R. W., jr-----	77. 69	142. 75	213. 97	285. 87	720. 28
352	Flynn, J. F-----	78. 24	142. 31	208. 89	289. 78	719. 22
353	Ruddy, J. A., jr-----	76. 44	143. 20	211. 64	287. 37	718. 65
354	Bristol, J. M-----	73. 17	136. 81	211. 50	296. 61	718. 09
355	Wilbourne, W. W-----	72. 91	141. 09	216. 35	287. 59	717. 94
356	Hanson, B. S., jr-----	72. 96	141. 27	210. 96	292. 29	717. 48
357	Coffee, D. M-----	72. 10	136. 44	213. 96	294. 95	717. 45
m358	Lynch, R. F-----	74. 26	144. 00	210. 94	288. 10	717. 30
m359	Legaré, H. K-----	74. 38	137. 12	216. 05	289. 25	716. 80
360	Eddy, I. C-----	75. 99	139. 44	217. 86	283. 28	716. 57
y361	Andrada, J. V-----	78. 40	142. 37	209. 78	285. 59	716. 14
362	Haynsworth, H. C-----	74. 60	141. 85	212. 18	287. 33	715. 96
363	Dunn, E. J-----	71. 77	141. 67	213. 67	288. 38	715. 49
364	Nutting, K. L-----	75. 55	142. 27	211. 53	284. 74	714. 09
365	Stevenson, H. C-----	74. 49	138. 34	212. 59	288. 37	713. 79

Merit roll for the four years' course of the midshipmen of the graduating class (class of 1930), 405 members, of whom 402 graduated—Continued

Order of merit	Names	First year	Second year	Third year	Fourth year	Aggregate for four years
						1,000
	Maxima-----	100	200	300	400	
MC366	Fry, E. W., jr-----	73. 59	141. 49	210. 48	287. 88	713. 44
367	Clark, B. V-----	75. 40	140. 36	215. 47	282. 19	713. 42
368	Olney, D. W-----	72. 79	138. 48	210. 75	291. 30	713. 32
369	Wagner, E. O-----	72. 19	140. 41	210. 08	290. 60	713. 28
370	Williams, M. B-----	77. 24	143. 96	209. 74	282. 31	713. 25
371	Wygant, H. S., jr-----	71. 63	138. 85	214. 73	287. 43	712. 64
372	Woodard, W. T-----	70. 63	136. 99	213. 03	291. 91	712. 56
373	Westropp, H. P-----	74. 30	137. 71	208. 26	291. 97	712. 24
374	Spring, A. F-----	73. 04	139. 93	213. 74	285. 17	711. 88
375	Robinson, O. W-----	73. 28	137. 97	214. 29	284. 48	710. 02
376	Foott, G. W., jr-----	73. 08	135. 51	206. 83	293. 70	709. 12
377	Newell, B. B-----	80. 44	145. 11	203. 44	279. 33	708. 32
b378	Blanchard, B. E-----	75. 97	137. 38	206. 84	287. 76	707. 95
379	Duryea, H. E-----	71. 56	143. 78	208. 95	283. 14	707. 43
380	Wolverton, R. A-----	73. 14	143. 77	207. 64	282. 52	707. 07
m381	Henry, W. T-----	74. 19	137. 56	209. 66	284. 76	706. 17
382	Lidstone, N. A-----	82. 56	141. 11	204. 84	277. 66	706. 17
383	Over, G. R-----	73. 95	137. 26	210. 01	283. 97	705. 19
d384	Gilliam, C. R-----	74. 71	142. 24	205. 95	282. 09	704. 99
385	Chapple, W. G-----	72. 09	141. 48	209. 00	282. 23	704. 80
m386	Snyder, J. C-----	72. 61	136. 03	207. 28	288. 60	704. 52
387	Mathews, L. O., jr-----	72. 70	139. 39	210. 01	281. 93	704. 03
388	Reeder, F. M-----	71. 74	133. 67	211. 06	287. 09	703. 56
389	Douglass, A. P-----	78. 61	144. 04	202. 50	278. 36	703. 51
390	Clifton, J. C-----	71. 19	134. 96	205. 20	290. 45	701. 80
391	Newman, R. L-----	70. 34	139. 01	207. 47	284. 69	701. 51
392	Edwards, J. E-----	73. 59	139. 29	205. 74	282. 24	700. 86
393	Randolph, S. A-----	71. 09	138. 91	209. 22	281. 46	700. 68
*394	Kaiser, W. C-----	73. 61	139. 21	207. 83	278. 00	698. 65
SC 395	Cardwell, L-----	76. 32	142. 94	199. 73	279. 10	698. 09
MC396	Brunton, L. C-----	72. 04	135. 36	203. 67	279. 95	691. 02
397	Heerbrandt, P. F-----	73. 76	135. 99	203. 36	277. 36	690. 47
398	Howerton, C. C-----	72. 18	133. 86	202. 75	281. 43	690. 22
399	Wright, T. K-----	71. 90	136. 66	207. 02	273. 89	689. 47
400	Vosseller, J. O-----	70. 41	135. 00	205. 00	276. 23	686. 64
401	Barrett, A. J., jr-----	73. 21	134. 37	204. 53	274. 12	686. 23
402	McPherson, K. S-----	72. 49	133. 71	201. 69	275. 93	683. 82
403	Conner, R. R-----	71. 49	138. 63	201. 43	271. 34	682. 89
wr	Bradman, F. C-----	80. 73	150. 35	227. 79	(a)	Inc.
w	Freeberg, S. A-----	76. 98	138. 33	207. 01	(a)	Inc.

Merit roll of the midshipmen of the graduating class (class of

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admis- sion		Sea service in prac- tice ships	
				Years	Months	Months	Days
218	Adams, Carlton Rolla-----	North Carolina-----	Sept. 1, 1926	18	5	8	9
255	Adams, Scarritt-----	New York-----	June 15, 1926	19	3	8	9
50	Adkins, James Alvin-----	District of Colum- bia-----do-----	17	0	8	9	
97	Agnew, Jack-----	Texas-----	June 22, 1926	16	10	8	9
86	Ailes, John William, III-----	Pennsylvania-----do-----	18	9	8	9	
*15	Alexander, Stanley Morton-----	Illinois-----	June 29, 1926	17	3	8	9
87	Allen, Burrell Clinton, jr-----	Connecticut-----	June 28, 1926	17	5	8	9
268	Allen, William Young, jr-----	Texas-----	June 15, 1926	18	4	7	28
y372	Andrade, José Villagra-----	Philippine Islands-----	Aug. 23, 1926	17	6	8	9
227	Andrews, Charles Herbert-----	Connecticut-----	June 15, 1926	18	1	8	9
160	Armstrong, John Hord, jr-----	Kentucky-----	Aug. 23, 1926	18	11	8	9
143	Arwine, Shryock Mandville-----	At large (Pres.)-----	June 15, 1926	16	7	8	9
5339	Ashton, Arthur Harold-----	Connecticut-----	June 29, 1926	18	6	8	9
*8	Atkins, Griswold Terry-----	do-----	June 21, 1926	16	5	8	9
301	Azer, John Behling-----	Illinois-----	June 16, 1926	19	7	8	9
123	Badger, Harry Peaslee-----	New York-----	July 13, 1926	18	9	8	9
71	Bardwell, Francis Emerson-----	do-----	June 21, 1926	18	11	8	9
401	Barrett, Arthur Jenkins, jr-----	Massachusetts-----	June 28, 1926	18	8	8	9
880	Bates, Richard Harned-----	New York-----	Sept. 3, 1926	18	7	8	9
MC135	Bauer, Harold William-----	Nebraska-----	June 22, 1926	17	7	5	7
273	Bauer, Rudolph Charles-----	New York-----	June 21, 1926	19	9	5	18
MC118	Beans, Fred Dale-----	Texas-----	June 18, 1926	19	8	5	18
253	Bisson, John Kenneth-----	Illinois-----	June 28, 1926	19	7	8	9
139	Blackburn, Paul Prichard, jr-----	Nebraska-----	June 14, 1926	17	5	8	9
6359	Blanchard, Boyd Edward-----	Maine-----	July 15, 1926	17	0	8	9
6276	Blanning, Edwin Joseph, jr-----	Pennsylvania-----	Sept. 2, 1926	19	11	8	9
k379	Blemker, Nyle Louis-----	Iowa-----	June 29, 1926	16	10	8	9
246	Block, Everett Milton-----	Illinois-----	June 28, 1926	18	4	8	9
SC177	Bourgeois, Aubrey Joseph-----	Louisiana-----	June 17, 1925	17	6	11	3
282	Bowen, John Bunyan, jr-----	Georgia-----	June 15, 1926	18	6	8	9
370	Boyd, Alston Maury, jr-----	Tennessee-----	June 16, 1925	19	5	11	3
232	Boyle, Lee DeVall-----	Iowa-----	June 14, 1926	19	3	8	9
MC189	Boyle, Stewart-----	New Jersey-----	June 17, 1926	17	9	8	9
wr	Bradman, Frederic Cushing-----	At large (Pres.)-----	June 21, 1926	18	0	7	24
91	Brady, Parke Howle-----	Ohio-----	June 22, 1926	18	9	8	9
210	Breault, John Louis, jr-----	Massachusetts-----	do-----	19	8	5	15
351	Briner, Harmon Vedder-----	New Jersey-----	June 14, 1926	17	8	8	9
43	Briner, Richard Robert-----	do-----	July 8, 1926	18	10	8	9
294	Bristol, John Morgan-----	Ohio-----	June 15, 1926	18	7	8	9
155	Brodie, George Keeney-----	Kentucky-----	June 17, 1926	18	6	8	9
314	Brokenshire, Douglas Best-----	New Hampshire-----	June 15, 1926	17	0	8	9
105	Brook, Charles Bates-----	Maryland-----	June 18, 1926	19	9	8	9
*20	Browne, Oscar Morrison, jr-----	Illinois-----	June 14, 1926	19	9	8	9
234	Brumby, Edward-----	Massachusetts-----	July 13, 1926	18	5	8	9
MC392	Brunton, Lawrence Collins-----	California-----	June 18, 1926	19	4	8	9
104	Burden, Harvey Paul-----	Texas-----	June 15, 1926	16	5	8	9
213	Burgess, John Grafton-----	Minnesota-----	Aug. 11, 1926	19	3	6	17
53	Burgett, William A-----	Colorado-----	June 18, 1926	18	10	8	9
54	Burns, Martin Charles-----	Washington-----	June 15, 1926	17	1	8	9
62	Butler, William Clayton, jr-----	Virginia-----	June 21, 1926	18	9	8	9
149	Butterfield, George Nelson-----	Vermont-----	June 16, 1926	18	4	8	9
6327	Cable, Thomas Hamilton-----	Kansas-----	June 17, 1926	19	1	8	9
6286	Caillouet, Jean Louis, jr-----	Louisiana-----	June 16, 1925	17	5	8	9

1930), 405 members, for the last year of their academic course

Seamanship and flight tactics	Ordnance and gunnery	Navigation	Engineering and aeronautics	Electrical engineering and physics	English	Languages	Hygiene	Aptitude for service	Aggregate fourth year
Maximum									
64	64	40	56	64	20	16	8	68	400
50.72	48.56	30.10	41.30	49.92	14.70	12.12	6.84	51.85	306.11
52.08	49.52	29.10	40.11	43.28	16.75	13.48	6.94	50.49	301.75
55.44	53.84	35.00	42.70	48.08	16.75	13.48	7.26	61.20	333.75
54.16	53.92	32.70	42.84	49.44	17.30	14.60	7.46	50.83	323.25
52.40	53.68	35.30	42.35	49.12	15.80	13.00	6.88	56.78	325.31
59.92	56.88	33.65	44.17	51.52	16.90	14.32	7.68	61.71	346.75
56.96	52.08	32.25	42.63	50.40	16.00	12.44	6.86	55.42	325.04
45.76	45.76	28.35	37.80	45.36	13.30	12.52	6.98	63.75	299.58
46.64	44.56	25.80	36.26	44.56	13.05	12.76	6.88	55.08	285.59
49.36	51.20	31.45	39.34	42.40	13.65	11.72	7.40	58.99	305.51
51.44	49.92	31.30	41.44	46.64	15.70	13.28	7.18	57.29	314.19
54.96	54.56	32.60	41.72	49.04	15.30	12.92	7.22	47.94	316.26
47.04	46.56	26.90	38.36	43.20	13.85	12.00	6.76	55.93	290.60
56.56	58.24	35.70	46.62	54.56	16.05	12.84	7.40	62.56	350.53
50.24	45.44	27.15	37.03	43.46	15.65	11.60	6.66	58.48	295.61
56.16	54.48	29.00	41.37	49.28	14.25	11.72	7.66	55.42	319.34
53.12	52.64	31.95	42.77	50.24	15.70	13.16	6.96	61.37	327.91
43.60	43.44	26.05	35.70	40.72	13.00	10.64	5.72	55.25	274.12
52.72	55.60	32.30	44.52	49.12	15.05	13.24	7.12	56.44	326.11
51.20	53.12	33.90	42.56	46.88	14.80	12.48	6.74	56.10	317.78
47.04	50.80	30.90	38.36	43.92	14.75	12.28	6.20	54.91	299.16
51.92	50.56	31.60	42.14	49.36	15.10	11.64	7.20	60.52	320.04
49.60	49.28	30.20	39.69	45.36	14.05	11.40	6.36	56.10	302.04
51.20	52.40	31.70	38.57	44.64	15.80	12.84	7.20	62.73	317.08
48.16	45.36	26.15	36.12	43.12	13.95	11.64	6.48	56.78	287.76
47.60	48.48	28.85	40.39	46.24	14.60	11.24	6.46	54.23	298.09
46.24	45.84	27.35	36.75	41.60	13.25	12.84	6.86	53.38	284.11
50.72	47.76	30.05	40.04	47.04	14.10	10.96	6.12	55.93	302.72
53.12	48.88	29.60	38.99	45.76	17.05	12.64	7.04	58.82	311.90
49.60	48.80	31.85	38.99	45.84	13.90	11.80	6.54	50.15	297.47
49.44	45.44	30.40	37.87	44.80	13.30	11.40	7.12	46.24	286.01
49.92	50.32	30.70	39.48	45.44	13.75	12.68	6.44	56.10	304.83
52.00	51.84	30.65	40.88	45.84	13.75	12.08	6.38	56.27	309.69
(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	Inc.
53.20	53.20	29.65	40.60	47.76	17.15	13.36	7.18	62.73	324.83
51.60	52.40	30.85	42.28	45.20	15.55	12.04	6.74	50.66	307.32
45.68	45.36	31.25	37.73	43.28	12.60	12.20	6.90	54.06	289.06
54.88	56.16	32.95	44.45	51.20	14.45	13.68	7.34	61.03	336.14
47.84	51.92	31.00	38.22	43.20	13.35	11.52	7.20	52.36	296.61
51.28	55.04	31.20	43.61	46.08	13.90	10.96	7.48	55.08	314.63
48.64	48.72	27.25	38.92	43.52	13.80	12.60	7.16	53.89	294.50
53.20	55.36	29.50	42.35	48.72	17.25	13.48	7.78	54.23	321.87
57.84	55.20	33.35	46.13	52.08	16.35	13.92	7.26	62.22	344.35
51.04	50.16	31.15	38.64	43.76	14.15	11.84	6.46	57.29	304.49
45.12	44.40	26.90	37.71	41.28	12.75	11.16	6.06	54.57	279.95
53.76	53.12	34.90	41.51	48.72	14.90	11.24	7.04	56.78	321.97
51.84	49.84	30.55	39.48	45.76	14.50	12.32	7.20	55.76	307.25
55.52	55.76	35.00	42.77	50.24	16.45	12.52	7.56	56.95	332.77
52.40	55.04	32.35	42.14	49.04	17.10	14.04	7.60	62.90	332.61
53.28	53.28	34.45	44.24	47.12	14.70	13.20	7.52	61.37	329.16
51.68	50.88	32.35	39.48	48.88	13.40	11.92	6.60	60.01	315.20
45.52	44.96	27.30	38.15	42.16	13.75	11.16	5.86	63.58	292.44
48.48	47.44	27.25	39.76	43.52	14.20	11.08	7.38	58.14	297.25

Merit roll of the midshipmen of the graduating class (class of 1930),

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
369	Campbell, Norwood Axtell	Indiana	June 28, 1926	19	0	7	28
m174	Canaday, Harry Ridge	Iowa	do	17	1	8	9
SC 394	Cardwell, Laurence ¹	District of Colum- bia				10	13
120	Carmick, Edward Seabury	do	July 13, 1926	18	4	8	9
162	Carpenter, Gilbert Crowell	Michigan	July 17, 1926	16	10	8	9
345	Carter, Francis Miller	Kansas	June 16, 1926	18	9	8	9
267	Cass, Richard Stuart	Iowa	June 28, 1926	17	9	5	10
57	Chafee, George Benedict	Florida	July 8, 1926	17	6	8	9
131	Chambers, George Mitchell	Michigan	June 14, 1926	19	5	7	28
386	Chapple, Wreford Goss	Montana	June 28, 1926	18	3	5	18
297	Charneco, Carlos Mario	Porto Rico	June 16, 1925	19	5	10	7
387	Clark, Baylies Voorheis	California	June 16, 1926	17	5	8	9
158	Clark, Henry Garner	Kentucky	do	16	11	8	9
214	Clarkson, James Stroud	New Jersey	do	19	6	8	9
343	Clifton, Joseph Clinton	Kentucky	do	18	8	5	5
*27	Coates, Leonidas Dixon, jr	California	do	18	8	8	9
280	Coates, Robert Foresman	Wisconsin	June 21, 1926	17	1	8	9
270	Coe, James Wiggins	Indiana	July 1, 1926	17	1	8	9
308	Coffee, Doyle Murray	Alabama	June 15, 1926	17	9	8	9
263	Colestock, Edward Emerson	Pennsylvania	do	19	4	8	9
169	Conn, Richard John Hugh	Iowa	June 28, 1926	18	9	7	28
403	Conner, Ray Russell	West Virginia	June 18, 1925	20	2	11	3
188	Cook, George	New Jersey	June 16, 1926	19	6	6	3
94	Corbus, John	California	July 6, 1926	18	8	8	9
113	Corey, Howard Grant	do	June 14, 1926	19	1	8	9
*29	Craig, John Rich	Florida	June 15, 1926	19	9	8	9
159	Craighill, Robert Rutherford	Illinois	Aug. 9, 1926	18	9	8	9
265	Curley, Kyran Edward	New York	July 9, 1926	17	1	8	9
296	Cushing, Dana Buckley	Massachusetts	Aug. 30, 1926	18	6	8	9
m304	Dallman, David Edward	Wisconsin	July 9, 1926	17	11	8	9
125	Dally, Ruel Stuart	Minnesota	Aug. 12, 1925	19	8	7	28
MC306	Daly, James Michael	New York	July 13, 1926	18	6	8	9
MC157	Davis, John Malcolm	Kentucky	June 16, 1926	19	10	8	9
82	Davis, James White	Missouri	June 24, 1926	19	8	8	9
254	Dealey, Samuel David	Texas	Aug. 30, 1926	20	0	8	9
115	Dennis, Jefferson Rice	Colorado	June 22, 1926	17	2	8	9
65	de Vos, Paul Louis	Arizona	June 15, 1926	18	7	8	9
324	Dimmick, John Bagley	Michigan	June 18, 1926	18	10	8	9
*19	Dodge, Harry Benjamin	Maine	June 14, 1926	20	0	8	9
130	Dodson, Joseph Edward	Texas	June 28, 1926	16	10	8	9
a183	Dorner, Edward Paul	Nebraska	do	19	11	5	15
44	Dornin, Marshall Edgar	California	June 15, 1926	18	5	8	9
91	Dorsey, Jack Sidney	Florida	June 18, 1926	19	2	8	9
395	Douglass, Albert Pike	Alabama	June 15, 1926	18	0	7	23
47	Douw, Volckert Petrus	Maryland	July 13, 1926	19	4	8	9
298	Doyle, William Thomas, jr	Illinois	June 16, 1926	18	5	8	9
b308	Drake, Nels D'Arcy	At large (Pres.)	June 15, 1926	16	10	5	1
153	Drane, William McClure	Tennessee	Aug. 30, 1926	19	11	8	9
355	Dunn, Elmer Jackson	Arkansas	June 15, 1926	20	1	8	9
382	Duryea, Harold Edward	New York	June 22, 1926	18	9	8	9
317	Earl, Charles Edward	Georgia	June 15, 1926	18	5	8	9
154	Earle, Otis John	Pennsylvania	Aug. 7, 1926	18	0	8	9
195	Ebert, Walter Gale	West Virginia	July 14, 1926	16	11	8	9

¹ Name changed from Larry Cardwell.

405 members, for the last year of their academic course—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Naviga- tion	Engineer- ing and aero- nautics	Electrical engineering and physics	English	Lan- guages	Hygiene	Aptitude for service	Aggre- gate fourth year
Maximum									
64	64	40	56	64	20	16	8	68	400
45.36	45.76	29.00	37.38	43.04	13.00	10.68	6.54	55.42	286.16
52.32	50.24	30.35	40.74	46.64	14.50	13.20	7.24	57.12	312.35
45.60	42.16	28.05	36.54	42.00	13.50	10.88	6.48	53.89	279.10
53.28	52.16	31.10	41.02	43.52	16.05	14.00	7.20	61.20	319.53
49.76	50.00	31.90	42.07	49.44	14.30	11.60	6.74	58.14	313.95
47.60	48.00	27.60	39.34	45.12	13.85	10.84	7.02	50.66	290.03
45.84	47.92	29.85	38.08	43.04	14.30	13.28	6.00	61.37	299.68
55.60	52.64	35.00	45.22	51.52	13.70	11.12	6.56	60.52	331.88
54.24	50.96	32.75	41.79	48.56	14.05	11.24	7.60	57.46	318.65
45.52	44.80	26.55	37.03	42.32	13.35	10.52	7.06	55.08	282.23
47.68	47.52	28.90	37.38	44.48	14.75	15.64	7.42	52.36	296.13
45.36	46.08	26.80	37.87	43.76	12.70	11.04	6.90	51.68	282.19
50.64	53.60	33.75	43.05	50.00	15.00	12.00	6.44	49.81	314.29
50.72	52.24	28.60	39.06	46.96	14.50	13.04	7.02	54.91	307.05
45.60	45.12	27.20	41.44	43.84	13.40	11.28	6.64	55.93	290.45
55.28	56.32	36.85	47.60	56.80	15.90	13.64	7.04	52.19	341.62
51.04	46.88	27.75	38.08	44.80	13.70	13.60	7.22	54.57	297.64
49.12	48.88	29.20	39.90	45.20	13.65	10.72	7.12	55.59	299.38
51.20	45.76	28.50	37.80	43.92	14.05	11.92	6.72	55.08	294.95
48.32	50.80	28.90	39.69	46.56	13.45	11.72	7.22	53.89	300.55
48.80	49.76	29.95	42.63	46.88	14.45	11.28	7.24	62.05	313.04
44.08	43.84	25.45	35.98	40.96	12.90	10.88	6.08	51.17	271.34
48.80	49.44	29.00	38.99	45.44	15.10	13.08	7.14	62.73	309.72
50.56	53.68	33.30	40.67	47.68	16.85	12.00	7.56	61.20	323.50
53.84	51.76	31.05	40.39	45.28	15.20	13.12	7.40	62.73	320.77
58.08	55.44	33.55	45.92	55.36	15.55	12.68	7.34	57.46	341.38
53.20	54.40	29.85	40.88	46.24	15.15	13.40	6.76	54.40	314.28
48.88	50.96	30.95	37.73	43.20	14.70	12.40	6.32	54.74	299.88
47.04	47.12	28.30	38.99	44.72	13.15	12.08	6.50	58.31	296.21
48.32	46.80	25.70	39.34	46.88	14.25	11.72	6.22	56.27	295.50
51.92	48.72	32.40	43.96	52.56	13.60	10.76	7.00	58.31	319.23
47.60	50.72	28.00	38.78	43.12	13.90	12.32	6.70	53.89	295.03
50.00	52.56	30.10	42.70	49.52	15.15	11.20	7.02	56.10	314.35
55.52	55.04	30.75	41.51	49.12	16.30	12.92	6.90	57.80	325.86
47.44	50.64	28.25	40.04	44.16	15.70	12.44	6.12	57.12	301.91
55.36	50.88	31.50	40.04	48.32	14.95	14.40	6.90	58.14	320.49
51.36	52.48	32.15	42.91	50.56	16.50	14.28	6.98	61.54	328.76
49.68	48.40	27.20	39.06	42.64	14.00	11.24	6.08	54.91	293.21
55.20	55.84	34.60	47.60	53.44	15.60	13.60	7.66	60.86	344.40
54.08	53.04	30.15	41.65	48.72	14.65	12.60	7.54	56.44	318.87
51.84	51.92	30.40	40.74	47.12	15.35	12.12	6.00	55.42	310.91
56.48	56.48	34.30	44.80	48.40	18.05	14.20	7.38	55.59	335.68
52.72	50.08	31.05	42.14	49.92	15.25	12.36	7.22	64.09	324.83
47.52	45.20	26.30	37.38	41.68	13.50	13.68	6.86	46.24	278.36
56.08	53.92	33.65	42.49	48.88	16.65	13.64	7.06	62.22	334.59
48.32	50.16	28.90	40.81	43.76	15.55	11.60	6.70	50.15	295.99
48.40	47.36	27.35	41.02	45.92	14.50	12.36	6.70	51.34	294.55
50.32	52.32	32.65	42.63	48.08	13.85	11.84	6.30	56.95	314.94
46.56	42.96	27.35	39.27	43.84	14.45	11.56	7.48	54.91	288.38
46.80	46.24	28.65	37.31	43.20	13.35	11.48	6.30	49.81	283.14
47.20	49.52	28.60	37.73	43.12	13.40	13.08	7.18	54.40	294.23
53.92	51.44	31.90	43.12	47.60	15.00	12.00	6.38	53.38	314.74
50.48	50.00	32.35	39.06	44.48	15.00	11.80	7.70	58.31	309.18

Merit roll of the midshipmen of the graduating class (class of 1930),

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
381	Eddy, Ian Crawford.....	New York.....	June 18, 1926	20	0	2	25
m196	Edgerton, Everett William.....	South Carolina.....	Aug. 30, 1926	18	1	8	9
385	Edwards, John Ellis.....	North Carolina.....	June 21, 1926	17	0	8	9
292	Ellis, William Edward.....	do.....	do.....	17	7	8	9
168	Engleman, Christian Levin.....	Washington.....	June 23, 1926	20	3	8	9
85	Englund, Harry Wallace.....	Wisconsin.....	June 22, 1926	18	6	8	9
*16	Ennis, William Clare.....	Michigan.....	June 15, 1926	20	0	8	9
66	Ensey, Lot.....	Florida.....	do.....	17	7	8	9
m99	Epperly, William Francis.....	Virginia.....	June 25, 1926	19	1	8	9
156	Esslinger, Robert John.....	Michigan.....	June 28, 1926	18	3	8	9
140	Estabrook, William Sears, jr.....	New York.....	June 30, 1926	18	2	8	9
*3	Evans, Philip Cabell.....	Montana.....	June 28, 1926	16	5	8	9
290	Fairchild, Milton Duncan.....	Kentucky.....	June 19, 1926	19	6	8	9
368	Farmer, William Howard.....	Illinois.....	June 16, 1925	18	9	11	3
679	Farnham, Duane Wesley.....	Colorado.....	June 23, 1926	17	5	8	9
287	Feiock, Harold King.....	Indiana.....	July 16, 1926	19	11	8	9
348	Flynn, John Francis.....	Massachusetts.....	June 15, 1926	19	6	8	9
321	Foott, George Wade, jr.....	Oregon.....	June 18, 1926	19	2	5	15
111	Fosner, James Franklin.....	Tennessee.....	June 28, 1926	18	1	8	9
*26	Foster, Robert Boyd.....	Maryland.....	do.....	17	11	8	9
48	Foster, Walter Manly.....	Alabama.....	June 15, 1925	19	11	11	3
w	Freeberg, Sidney Arthur.....	Minnesota.....	Oct. 4, 1926	19	11	8	12
MC274	Fromhold, Walfried Halton.....	Missouri.....	June 18, 1926	18	10	7	10
MC358	Fry, Ernest Walter, jr.....	Minnesota.....	July 6, 1926	19	9	8	9
90	Fuetsch, Bernhart Alois.....	Nevada.....	Aug. 9, 1926	17	6	8	9
244	Garcia, George Edward.....	California.....	June 14, 1926	19	5	8	9
176	Gaulin, Victor Salomon.....	Massachusetts.....	June 18, 1926	19	6	7	10
36	Gentner, William Ellis, jr.....	California.....	June 14, 1926	18	11	8	9
165	Gentry, Kenneth McLoud.....	Missouri.....	June 29, 1926	18	8	8	9
371	Germany, Robert William, jr.....	Louisiana.....	June 22, 1926	16	7	8	9
d388	Gilliam, Charles Robert.....	Texas.....	do.....	19	9	11	2
35	Gladney, Donald Wesley, jr.....	Arkansas.....	June 14, 1926	19	10	8	9
134	Glantz, Marvin Henry.....	Ohio.....	do.....	19	11	8	9
142	Gragg, John Blair.....	Michigan.....	June 23, 1926	18	9	8	9
b67	Grannis, Russell Lynn.....	Iowa.....	June 17, 1926	19	3	8	9
121	Grant, James Donald Livingston.....	New York.....	June 24, 1926	17	8	8	9
241	Grantham, Elonzo Bowden, jr.....	North Carolina.....	June 14, 1926	19	5	8	9
MC148	Greene, Wallace Martin.....	Vermont.....	June 21, 1926	18	6	8	9
316	Gross, Royce Lawrence.....	New York.....	do.....	19	9	8	9
128	Grove, Alfred Edgar.....	Missouri.....	June 14, 1926	18	1	8	9
129	Gubbins, William Wheeler.....	Illinois.....	June 16, 1926	20	2	8	9
240	Hahn, Elvin.....	New Jersey.....	do.....	18	10	8	9
363	Haile, John Robinson.....	Texas.....	June 15, 1925	19	2	8	9
203	Haines, Nathan Starr.....	Illinois.....	July 14, 1926	17	11	8	9
76	Haley, Thomas Bradley.....	Tennessee.....	June 21, 1926	19	0	5	18
259	Hall, Clifton Greenleaf.....	New Hampshire.....	July 27, 1926	17	7	8	9
147	Halstead, Mervin.....	Ohio.....	July 7, 1926	18	1	8	9
257	Hanlin, Paul Wilkinson.....	California.....	June 15, 1926	18	11	8	9
51	Hansen, Henry Otto.....	Iowa.....	do.....	18	11	8	9
328	Hanson, Burton S, jr.....	Michigan.....	June 18, 1926	19	1	8	9
346	Harmon, William Lockhart.....	do.....	June 16, 1926	18	9	8	9
347	Harrell, Ned.....	Oregon.....	June 22, 1926	17	7	7	23
180	Harris, David Alonzo.....	Georgia.....	June 15, 1926	17	11	8	9

405 members, for the last year of their academic course—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineer- ing and aero- nautics	Electrical engineering and physics	English	Lan- guages	Hygiene	Aptitude for service	Aggre- gate fourth year
Maximum									
64	64	40	56	64	20	16	8	68	400
46.48	47.12	21.15	39.55	42.88	13.55	10.84	7.48	54.23	283.28
48.64	50.72	32.55	39.27	47.28	13.85	11.28	6.36	59.16	309.11
44.96	45.44	27.90	36.75	42.96	13.10	10.76	6.82	53.55	282.24
50.08	46.32	28.45	40.88	44.40	14.20	11.28	7.08	54.06	296.75
50.80	48.48	31.65	41.93	53.12	13.85	10.84	6.86	55.59	313.12
53.52	53.28	33.35	42.28	48.00	15.15	13.80	6.50	59.65	325.53
54.80	59.76	34.60	47.11	51.52	15.85	12.84	7.36	62.73	346.57
52.80	55.52	32.85	44.31	45.36	14.75	12.64	7.22	63.07	328.52
52.40	53.68	36.50	42.77	48.56	15.25	13.64	6.88	53.21	322.89
50.32	51.60	31.40	40.88	48.00	13.75	12.00	7.14	59.50	314.59
52.80	52.08	31.75	41.79	48.72	14.45	12.52	7.62	54.91	316.64
58.88	58.48	36.25	47.88	55.84	17.25	15.12	7.40	56.61	353.71
48.88	49.20	28.20	37.59	42.96	13.80	11.56	6.56	58.14	296.89
46.08	48.16	29.60	35.84	43.12	13.15	11.24	6.50	52.70	286.39
53.04	52.96	33.95	43.19	50.64	15.65	12.92	7.00	57.29	326.64
47.36	49.36	28.30	38.92	47.60	14.45	11.48	7.06	52.70	297.23
46.32	47.76	28.35	36.68	43.04	13.65	12.88	6.02	55.08	289.78
48.64	49.12	31.10	37.45	44.00	14.35	11.12	7.26	50.66	293.70
53.12	50.48	33.40	41.79	46.80	15.40	11.56	7.50	61.20	321.25
55.04	55.04	35.25	46.55	51.12	16.20	12.44	7.10	62.90	341.64
52.08	52.56	35.30	47.25	54.80	13.95	11.12	6.80	60.52	334.38
(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	Inc.
48.48	51.28	27.35	39.13	42.24	15.95	11.44	6.82	55.93	298.62
46.40	45.04	27.85	37.80	41.92	13.75	11.68	6.32	57.12	287.88
52.80	54.64	31.10	42.77	48.88	17.20	12.36	7.00	58.14	324.89
49.12	49.20	29.15	42.63	46.32	13.80	12.08	6.46	54.06	302.82
50.96	50.48	29.55	41.02	44.40	15.70	14.48	7.32	58.31	312.22
53.92	54.16	34.40	46.34	50.24	14.85	12.48	6.78	65.11	338.28
54.40	50.16	30.50	41.58	44.32	18.80	12.44	6.78	54.40	313.38
46.96	49.44	29.45	37.52	42.32	13.55	11.16	6.68	48.79	285.87
44.40	42.08	26.95	35.98	41.36	17.50	11.36	7.72	54.74	282.09
55.44	54.64	34.80	45.01	51.60	15.60	13.12	6.74	62.90	339.85
50.88	50.40	29.90	40.25	45.44	16.90	13.76	7.06	63.24	317.83
48.80	52.96	32.80	42.63	48.24	14.30	11.64	6.94	57.97	316.28
53.20	55.28	33.60	45.43	49.68	13.15	13.24	6.96	57.97	328.51
54.00	52.08	31.05	41.79	48.80	16.40	12.88	7.08	55.42	319.50
50.56	47.44	27.20	39.55	44.48	14.60	11.48	7.02	61.03	303.36
54.40	50.16	31.50	40.11	45.84	15.80	13.08	7.46	56.95	315.30
46.48	51.20	31.30	37.17	44.96	12.75	12.96	6.96	50.49	294.27
51.44	50.96	33.35	40.18	50.08	16.85	11.84	7.26	57.12	319.08
51.04	52.64	32.80	42.49	45.28	13.60	12.56	7.12	61.37	318.90
50.72	52.00	29.40	39.41	43.28	15.45	12.48	6.46	54.23	303.43
46.88	45.04	25.95	35.28	40.32	14.65	12.00	7.24	60.01	287.37
50.48	52.80	31.75	38.15	44.16	14.90	13.56	6.62	55.76	308.18
53.20	51.12	32.40	44.17	48.96	15.45	12.32	7.24	62.05	326.91
49.12	46.88	30.55	38.22	44.56	13.35	14.56	6.46	57.63	301.33
51.52	50.88	29.70	43.26	49.12	15.55	12.96	7.42	54.91	315.32
51.60	49.04	28.50	38.71	45.60	15.20	12.96	7.06	53.04	301.71
54.96	55.04	33.55	43.26	49.84	15.75	12.72	7.32	60.69	333.13
46.48	45.20	27.25	38.85	42.48	13.65	11.24	6.62	60.52	292.29
48.96	46.88	29.45	37.87	43.28	13.35	11.12	7.18	51.85	289.94
46.56	46.88	28.15	38.78	44.40	13.40	11.68	6.50	53.55	289.90
53.12	49.68	30.25	42.35	45.52	14.00	11.60	7.30	57.63	311.45

Merit roll of the midshipmen of the graduating class (class of 1930),

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
40	Hart, Charles David	Louisiana	Aug. 13, 1926	17	7	8	9
*21	Haven, Robert Clarence	North Dakota	Aug. 23, 1926	20	4	5	10
278	Hawkins, David Delos	Washington	June 18, 1926	19	3	8	9
MC264	Hayes, Charles Harold	New Mexico	June 16, 1926	19	9	8	9
	Haynsworth, Hugh Charles, jr.	South Carolina	do	16	4	8	9
	*31 Hayward, John Tucker	New York	July 13, 1926	17	8	8	9
	*9 Hean, James Halleck	Louisiana	June 18, 1926	18	1	8	9
	249 Heap, George Lionel	Pennsylvania	June 15, 1926	18	10	8	9
	398 Heerbrandt, Paul Frederick	Ohio	June 21, 1926	19	4	8	9
	*4 Heiser, Harold Marvin	Wyoming	June 22, 1926	18	1	8	9
	170 Heming, Harold Millar	New York	June 21, 1926	19	6	8	9
	<i>m374</i> Henry, Woodville Thompson	Arkansas	June 15, 1926	17	6	8	9
	231 Herms, Charles Richard	Ohio	Aug. 9, 1926	18	11	8	9
MC96	Herndon, Glen Galloway	Colorado	June 15, 1926	19	8	8	9
	<i>m255</i> Hewitt, Gerald Sellen	New York	June 24, 1926	17	5	8	9
	95 Heyward, Alexander Salley, jr.	South Carolina	June 15, 1926	18	3	8	9
	42 Highley, Frank Edward, jr.	Pennsylvania	June 21, 1926	18	10	8	9
	MC354 Hill, Robert Edward	Arkansas	do	18	9	8	9
	*12 Hilles, Frederick Vantyne Holbrook	Oregon	July 6, 1926	18	3	8	9
	220 Hilton, Cyrus Grant	Ohio	June 17, 1926	19	4	8	9
	37 Hindman, Joseph Aloysius Eslen	Pennsylvania	June 24, 1926	17	5	8	9
	*5 Hines, Wellington, T.	Kentucky	June 28, 1926	18	9	8	9
	108 Holley, George Michael, jr.	California	June 15, 1926	17	10	8	9
m245	49 Holmes, Ephraim Paul	New York	June 21, 1926	18	1	8	9
	50 Holt, Herman William	Maine	do	20	0	8	9
	*2 Horn, Peter Harry	Pennsylvania	do	17	8	8	9
	191 House, Herschel Austin	Indiana	June 14, 1926	19	0	8	9
	*10 Howard, James Hampden	South Carolina	June 21, 1926	17	8	8	9
	342 Howell, John George	Pennsylvania	do	19	10	8	9
	391 Howerton, Charles Cabaness	Texas	Aug. 30, 1926	19	2	2	24
	279 Hubbard, Horace Stone	Illinois	June 16, 1926	18	4	8	9
	38 Hughes, Claud Wilborne	Arkansas	June 14, 1926	20	0	6	16
	MC*18 Hughes, Thomas Brandenburgh	Kansas	June 30, 1926	19	8	7	11
242	Hulme, John	Maryland	June 18, 1926	19	7	8	9
233	Hunt, Richard Coulter Drum, jr.	Pennsylvania	June 17, 1925	17	11	10	18
299	Hutchins, Thomas Boyd, 3d	California	June 15, 1926	19	10	8	9
*1	Jackson, Andrew McBurney, jr.	Louisiana	June 14, 1926	19	3	7	13
302	Jenkins, Walter Terry	Ohio	June 28, 1926	19	3	8	9
330	Jennings, Robert Fulton	New Jersey	July 1, 1926	17	7	8	9
77	Johnson, Frank Lesher	do	Sept. 23, 1926	19	2	8	9
m133	Johnson, Harold Frank	New York	June 18, 1926	19	4	8	9
	55 Johnson, Raymond Wilbur	do	June 23, 1926	19	2	8	9
	208 Jones, Lafayette Jackson	Tennessee	do	17	8	8	9
	396 Kaiser, William Charles	Rhode Island	June 15, 1926	18	9	8	9
	226 Kelly, Edwin Green	Texas	June 21, 1926	18	4	8	9
	221 Kiefer, Durand	Michigan	June 28, 1926	18	3	8	9
	102 Kinert, John Oscar	Washington	June 22, 1926	18	11	8	9
	73 Kirvan, William Henderson	Maine	July 24, 1926	18	7	8	9
	58 Knoll, Denys William	Pennsylvania	June 21, 1926	19	3	8	9
	281 Koepke, Lyle Lawrence	Michigan	do	19	11	5	18
126	Kohlhas, Albert Posey, jr.	Pennsylvania	June 22, 1926	18	7	6	26
261	Konigsberg, Albert	New York	June 21, 1926	16	11	8	9
239	Koseco, George Francis	Pennsylvania	do	18	3	8	9
64	Krick, Donald Francis	Idaho	Aug. 2, 1926	17	6	8	9

405 members, for the last year of their academic course—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Naviga- tion	Engineering and aero- nautics	Electrical engineer- ing and physics	English	Lan- guages	Hygiene	Aptitude for service	Aggre- gate fourth year
Maximum									
64	64	40	56	64	20	16	8	68	400
56.40	55.36	34.25	46.48	55.20	15.20	12.80	6.86	55.08	337.63
57.04	55.20	34.75	46.41	55.20	15.40	11.76	7.00	61.03	343.79
50.56	48.00	29.85	38.71	42.48	15.15	10.84	7.72	54.57	297.88
50.32	49.12	27.80	37.73	44.88	16.80	14.12	7.10	52.53	300.40
48.48	47.04	27.40	37.52	44.80	13.75	11.20	6.48	50.66	287.33
56.40	56.72	34.70	45.50	50.72	16.05	11.80	7.78	61.54	341.21
57.36	58.40	36.60	47.11	55.52	16.30	12.92	7.84	58.31	350.36
48.08	46.56	29.30	39.83	48.40	13.30	11.52	7.26	58.14	302.39
45.12	45.28	27.10	36.82	41.96	13.90	11.32	7.24	48.62	277.36
57.84	58.08	35.85	47.67	53.04	16.70	14.84	7.58	62.05	353.65
51.68	51.04	30.15	40.18	48.88	15.40	11.76	7.22	56.61	312.92
46.08	44.24	29.00	39.55	43.52	14.55	11.00	6.84	49.98	284.76
49.52	50.00	28.40	40.88	45.36	16.00	12.52	6.46	55.93	305.07
52.32	53.36	32.00	43.05	47.52	14.80	11.76	7.06	61.54	323.41
50.08	50.40	31.80	39.41	46.16	14.80	11.68	7.10	50.32	301.75
53.44	51.92	32.35	41.00	47.60	14.70	12.88	7.26	62.22	323.46
55.20	54.80	31.10	43.33	50.32	16.90	13.44	7.54	63.92	336.55
48.88	45.92	28.90	38.22	43.92	13.05	11.24	6.82	51.51	288.46
56.88	58.00	35.70	48.09	56.64	15.45	13.92	7.56	55.93	348.17
49.12	48.16	30.45	41.58	46.88	14.45	12.40	7.08	55.76	305.88
56.88	54.48	35.85	44.10	50.56	14.65	12.08	6.94	62.73	338.27
54.16	58.16	36.35	48.37	56.32	14.75	13.84	7.18	63.07	352.20
54.32	51.36	34.05	41.16	45.20	15.40	11.80	7.50	60.69	321.48
54.20	54.00	34.30	43.54	48.56	16.35	14.60	7.48	61.20	334.27
52.88	46.96	28.20	41.09	44.08	14.20	11.76	7.16	56.44	302.77
58.00	58.32	36.70	47.95	55.60	15.25	13.32	7.46	61.20	353.80
51.76	50.80	28.35	40.53	46.00	17.80	12.36	7.78	54.74	309.40
59.28	55.60	35.90	45.22	55.04	16.50	12.60	7.48	62.39	350.01
49.84	44.04	26.75	38.78	41.36	13.30	11.32	6.78	58.14	290.51
45.28	43.92	27.25	37.03	42.88	13.20	11.08	6.56	54.23	281.43
48.72	48.00	30.00	39.20	44.00	15.70	11.88	6.60	53.55	297.65
54.08	54.80	34.25	45.50	52.00	15.60	12.32	7.04	62.56	338.15
56.16	55.28	36.05	45.01	53.12	16.25	12.24	7.10	63.75	344.96
48.48	49.60	29.30	39.41	43.28	14.05	12.40	7.40	59.16	303.08
49.12	46.88	28.65	37.45	42.24	17.95	13.32	6.62	62.39	304.62
46.96	45.76	31.15	39.34	45.60	13.95	10.92	7.14	55.08	295.90
58.08	57.92	36.70	52.01	59.84	16.00	11.68	7.34	65.28	364.85
48.08	47.52	28.90	39.13	42.80	13.55	12.04	7.30	56.27	295.59
48.00	47.76	27.05	37.87	41.92	14.20	11.84	7.04	56.27	291.95
55.84	54.80	32.70	41.23	47.84	16.50	13.36	6.94	57.63	326.84
51.76	49.52	30.95	40.88	49.76	16.00	12.00	7.60	59.50	317.97
52.56	54.32	34.90	42.77	48.00	14.85	14.16	7.32	63.58	332.46
50.24	51.20	33.60	39.48	42.64	15.40	13.52	6.70	54.91	307.69
46.24	42.64	26.35	37.59	40.96	12.75	10.88	7.04	53.55	278.00
49.44	47.84	32.10	40.04	47.44	14.25	10.88	6.54	57.12	305.65
51.12	50.32	31.40	38.71	47.28	15.55	12.72	7.22	51.51	305.83
52.96	52.96	33.90	42.21	53.28	14.70	12.08	7.02	53.55	322.66
53.36	55.12	30.70	41.37	47.52	16.80	15.16	7.52	60.01	327.56
51.60	52.72	35.30	43.33	51.68	14.70	12.60	7.04	61.88	330.85
47.44	45.68	30.10	40.46	46.00	12.75	11.00	6.96	57.12	297.51
53.12	50.00	30.95	40.11	49.04	15.75	13.32	7.18	59.65	319.12
50.40	47.36	27.40	37.87	44.72	15.85	12.92	7.30	56.95	300.77
51.44	48.56	28.85	39.62	46.96	13.85	12.12	7.44	54.91	303.75
56.32	53.76	31.70	40.67	50.48	16.10	12.76	7.08	60.01	328.88

Merit roll of the midshipmen of the graduating class (class of 1930),

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
179	Kyes, James Elsworth	Washington	June 23, 1926	20	2	8	9
52	Lackner, Peter Robert	Montana	June 14, 1926	17	0	8	9
182	Laing, Frederick Williams	New York	do	19	6	8	9
m78	Lampe, Alfred Ernest	New Jersey	Aug. 31, 1926	19	2	8	9
164	Lang, James Graeme	Minnesota	June 17, 1926	19	8	8	9
*22	Larson, Herman Northcott	Illinois	June 22, 1926	18	9	8	9
174	Lawver, Rowland Clifford	do	June 18, 1926	19	9	8	9
106	Lee, John Elwood	Delaware	June 29, 1926	17	9	8	9
m350	Legaré, Herman Keith	New York	June 21, 1926	18	11	8	9
145	Lewis, John Miles	California	June 14, 1926	17	0	8	9
397	Lidstone, Nicholas Adair	Washington	July 1, 1925	19	8	8	9
238	Lincoln, Horatio Alonzo	North Dakota	June 22, 1926	17	4	8	9
334	Little, Edward Neal	Illinois	June 18, 1926	18	2	8	9
MC378	Lloyd, Russell	New Jersey	June 27, 1925	19	4	6	27
291	Long, Veldon Oscar	Colorado	June 28, 1926	19	1	8	9
205	Lord, Charles Williams	Pennsylvania	June 24, 1926	16	11	8	9
186	Lowrance, Vernon Long	North Carolina	June 21, 1926	17	2	8	9
207	Lowrey, William Watson	Texas	do	19	7	8	9
247	Lucas, Frederic Colby, jr	Illinois	Aug. 11, 1926	17	5	8	9
45	Lucker, Nicholas, jr	Connecticut	July 9, 1926	17	1	8	9
136	Luongo, Frank Paul, jr	New York	June 28, 1926	18	11	8	9
360	Lynch, Oliver De Mouy Thomas	Alabama	July 27, 1926	17	8	8	9
m357	Lynch, Robert Francis	New York	June 28, 1926	18	8	8	9
181	MacGregor, Edgar John, 3d	do	June 23, 1926	19	11	7	1
75	MacKay, Hugh Trent	Kentucky	Aug. 30, 1926	18	7	8	9
112	Malpass, Ray Edward	Connecticut	June 15, 1926	19	11	8	9
307	Marable, Herbert Hughes	Virginia	June 21, 1926	19	1	8	9
243	Marix, George Elliott	At large (Pres.)	June 15, 1926	16	11	8	9
117	Marshall, Edmund Sylvester Lee	California	June 25, 1926	18	4	8	9
101	Marshall, Thomas Worth, jr	Ohio	Aug. 24, 1926	19	8	8	9
*6	Martell, Charles Bowling	District of Columbia	June 17, 1926	16	8	8	9
151	Massey, Lance Edward	New York	June 23, 1926	16	9	8	9
*24	Masterson, Kleber Sanlin	New Mexico	July 1, 1926	18	0	8	9
389	Mathews, Laurance Oldham, jr	Georgia	July 27, 1926	18	1	8	9
284	Mauro, Charles Thomas, jr	Illinois	June 22, 1926	19	7	6	26
219	May, Leo George	New York	July 9, 1926	17	0	8	9
b221	Maynard, Robert Horace	Delaware	June 28, 1926	17	7	8	9
312	Mayo, Raymond Leon	Texas	June 18, 1926	19	7	8	9
107	McClain, Warren Howard	Georgia	June 23, 1926	17	3	8	9
141	McCombs, Charles Edward	Ohio	do	17	4	8	9
237	McCreedy, George Thomas, jr	New York	July 12, 1926	18	7	8	9
269	McCullough, Montgomery Lientz, jr	Missouri	June 16, 1926	18	7	8	9
367	McGlathery, Richard Davis	Pennsylvania	June 24, 1926	19	7	8	9
150	McGregor, Louis Darby, jr	Georgia	June 16, 1926	19	4	8	9
MC83	McKean, William Baggarley	Utah	June 28, 1926	17	8	8	9
72	McKnight, John Rowland, jr	Oklahoma	June 15, 1926	18	1	8	9
319	McLeod, Bowen Fails	Mississippi	June 16, 1926	18	5	8	9
215	McMillian, Ira Ellis	Texas	June 21, 1926	17	11	8	9
b295	McPeake, Richard Hayes	Massachusetts	June 15, 1926	17	3	8	9
400	McPherson, Kenneth Seton	Washington	June 21, 1926	19	5	8	9
166	Miller, Albert Stanley	New York	June 28, 1926	17	3	8	9
144	Miller, Frank Blake	Virginia	June 21, 1926	19	11	8	9
132	Miller, Theodore Taft	Pennsylvania	June 21, 1926	17	7	8	9

405 members, for the last year of their academic course—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineer- ing and aero- nautics	Electrical engineer- ing and physics	English	Lan- guages	Hygiene	Aptitude for service	Aggre- gate fourth year
Maximum									
64	64	40	56	64	20	16	8	68	400
50.72	50.88	30.15	38.99	45.04	17.10	11.64	6.96	60.18	311.66
54.40	55.12	34.60	42.42	47.76	17.20	13.28	7.00	61.20	332.98
51.84	51.60	33.20	41.37	47.60	15.35	12.24	6.94	51.17	311.31
53.76	54.32	33.65	42.14	48.72	16.55	13.96	6.82	56.78	326.70
50.64	49.52	29.40	41.93	47.52	15.15	12.04	7.04	60.18	313.42
56.24	56.08	34.20	47.39	53.76	16.25	12.20	7.32	58.99	342.43
51.68	49.52	32.65	41.02	48.64	14.90	11.28	7.24	55.42	312.35
51.52	53.04	33.25	40.60	48.56	14.75	12.52	7.02	60.35	321.61
46.80	42.16	28.90	38.43	44.16	13.50	10.80	7.04	57.46	289.25
54.48	50.88	31.75	38.71	44.56	14.35	14.36	6.86	60.18	316.13
44.80	45.92	26.40	35.91	41.92	13.40	11.08	6.04	52.19	277.66
49.44	50.80	30.50	40.74	48.72	14.25	11.12	6.68	51.68	303.93
49.04	48.88	31.40	38.15	44.40	13.00	11.20	6.12	48.96	291.15
46.00	43.44	28.10	37.59	41.28	13.45	10.68	6.92	56.78	284.24
47.28	47.60	28.65	37.73	44.80	13.50	11.16	6.22	59.84	296.78
50.96	52.72	30.35	40.74	42.64	16.05	11.88	7.82	54.91	308.07
50.32	50.48	30.85	41.58	45.60	15.20	11.80	7.52	56.61	309.96
50.32	49.20	29.55	40.46	45.64	14.15	11.48	6.46	57.46	307.72
50.80	50.88	29.70	39.27	45.52	14.50	13.04	6.66	52.19	302.56
54.96	55.60	34.25	43.19	48.16	16.30	12.84	7.00	62.73	335.03
52.00	52.08	32.65	42.00	49.36	14.50	13.16	7.28	54.74	317.77
48.40	45.60	29.85	38.43	42.96	13.05	11.52	7.48	50.32	287.61
46.88	46.88	29.15	38.01	42.64	14.25	12.44	7.36	50.49	288.10
49.52	49.28	29.85	40.67	44.56	14.80	13.16	6.86	62.73	311.43
55.84	53.44	32.75	41.51	49.84	15.35	12.72	7.72	57.80	326.97
54.00	51.76	31.15	44.17	48.56	15.55	12.08	7.38	56.27	320.92
48.16	49.92	29.15	39.34	43.84	13.30	11.24	6.66	53.38	294.99
51.04	48.56	28.50	40.18	45.84	14.85	11.60	7.38	54.91	302.86
54.56	52.80	30.75	41.72	48.08	15.65	14.64	6.96	54.91	320.07
52.96	53.92	32.35	42.56	48.64	15.00	12.16	5.98	59.16	322.73
56.88	58.40	36.95	47.32	58.88	15.40	13.20	7.50	56.95	351.48
52.56	53.68	30.80	43.89	48.80	14.30	11.00	7.66	52.36	315.05
56.96	58.40	32.80	46.48	51.52	16.00	12.80	6.98	60.35	342.29
46.16	43.28	26.80	37.45	41.84	13.35	12.20	6.28	54.57	281.93
48.24	49.20	28.25	37.87	44.00	13.80	12.40	6.76	56.78	297.30
54.08	49.84	30.05	40.88	48.40	15.55	13.56	6.70	46.92	305.98
50.80	47.04	28.55	43.26	45.44	14.60	12.16	6.88	57.12	305.85
47.60	47.76	32.00	38.50	42.80	13.65	11.28	6.16	54.91	294.66
54.64	54.08	32.55	43.54	47.52	15.25	12.28	7.32	54.40	321.58
51.84	51.68	33.50	42.00	45.92	14.75	11.68	7.10	57.97	316.44
47.44	51.36	30.65	40.39	46.88	14.65	12.20	6.86	53.55	303.98
48.56	48.24	30.25	40.04	43.76	13.80	11.80	6.94	56.10	299.49
46.64	46.80	27.75	37.52	42.64	14.95	11.72	6.34	52.36	286.72
49.84	53.68	33.60	41.72	51.12	14.25	10.84	6.64	53.38	315.07
53.84	47.60	35.70	41.23	49.84	15.00	12.76	7.40	62.22	325.59
55.36	55.12	32.60	43.40	48.56	15.45	10.96	7.00	59.16	327.61
48.64	48.00	30.65	38.35	44.32	14.90	11.12	6.96	50.66	294.10
49.04	49.44	30.25	38.50	46.72	14.40	14.08	7.94	56.61	306.98
48.56	48.32	28.40	38.29	42.48	13.50	12.28	6.98	57.46	296.27
44.48	44.08	25.65	37.24	42.88	13.75	10.48	6.88	50.49	275.98
51.44	49.76	30.50	41.16	47.12	15.40	12.36	5.76	59.84	313.34
53.36	51.12	30.20	40.74	47.28	15.80	12.36	7.48	57.80	316.14
50.32	52.40	31.85	40.25	47.92	15.15	12.96	7.26	60.01	318.12

Merit roll of the midshipmen of the graduating class (class of 1930),

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
284	Moffett, William Adger, jr.	At large (Pres.)	June 15, 1926	16	3	8	9
MC275	Montgomery, Edward Alexander	Georgia	do	17	10	8	9
69	Moore, Robert Lee, jr.	Maryland	do	18	3	8	9
*33	Moore, William Brigham	Utah	June 28, 1926	16	10	8	9
137	Moreno, John A.	At large (Pres.)	June 15, 1926	17	8	8	9
MC84	Moret, Paul	Michigan	June 23, 1926	19	4	5	18
116	Morton, Dudley Walker	Florida	do	18	11	5	7
341	Mott, Elias Bertram, 2d	New Jersey	June 16, 1926	17	8	8	9
m*11	Mulit, Lloyd Henry	California	June 14, 1926	19	3	8	9
m124	Neal, Alvin Willard	Arkansas	June 18, 1926	18	8	8	9
61	Nelson, William Thackeray	Massachusetts	June 28, 1926	17	8	6	27
393	Newell, Byron Bruce	Georgia	June 29, 1926	16	7	8	9
376	Newman, Roscoe Lee	do	Aug. 14, 1926	20	2	8	9
323	Newsome, James Hillman	do	June 18, 1926	19	11	8	9
103	Newton, Roy Arthur	Texas	July 15, 1926	19	0	8	9
304	Nix, Joshua James	Tennessee	July 2, 1926	18	1	8	9
*30	Nixon, Richard Mueller	Ohio	June 22, 1926	16	5	8	9
375	Nutting, Kelvin Lightfoot	District of Colum- bia	July 15, 1926	19	0	8	9
271	O'Beirne, Emmet	Illinois	June 22, 1926	18	3	8	9
b39	O'Handley, Joseph Allen Edward	New York	June 23, 1926	20	2	8	9
333	Olney, Davis Wing	Michigan	July 6, 1926	18	11	8	9
201	Ostrom, Charles Howard	At large (Pres.)	June 15, 1926	17	7	8	9
380	Over, George Russell	Ohio	do	20	0	8	9
344	Owen, Arthur Edwin	Maine	June 28, 1926	18	8	8	9
209	Palmer, George Goldston	South Carolina	do	18	5	8	9
252	Patten, Robert Melville	Pennsylvania	June 22, 1926	19	7	8	9
*17	Perkins, Robert Edward	Maryland	do	19	11	8	9
59	Peterson, Mell Andrew	Iowa	June 16, 1926	17	9	5	7
b310	Phillips, Walter Blackburn	Virginia	July 2, 1926	19	5	8	9
98	Pieczentkowski, Herman Arnold	Rhode Island	June 15, 1926	19	1	5	16
338	Post, William Schuyler, jr.	California	Aug. 14, 1926	18	0	8	9
MC315	Price, Edgar Oliver	Maryland	June 14, 1926	15	1	3	9
m300	Price, Thomas Davis	Minnesota	June 15, 1925	18	11	3	9
SC119	Prien, Walter Ferdinand	Wisconsin	June 21, 1926	19	9	8	9
MC289	Pusel, Nicholas Jacob	North Dakota	do	19	5	7	28
93	Quiggle, Lynne Cline	Nebraska	do	20	1	8	9
74	Randall, Samuel Mentz	New Jersey	July 6, 1926	16	10	8	9
390	Randolph, Samuel A.	Utah	June 24, 1926	19	7	8	9
366	Reeder, Frederick Martin	At large (Pres.)	June 15, 1926	19	7	8	9
MC163	Reinecke, Frank Mills	Kentucky	June 16, 1926	19	8	7	1
190	Reinhard, Walter Albert	Indiana	July 1, 1926	18	4	8	9
178	Renfro, Edward Clark	Colorado	June 16, 1926	19	3	5	18
167	Rigsbee, Everett Olin, jr.	Texas	July 6, 1926	19	0	7	1
b192	Riva, Victor Emmanuel	Pennsylvania	June 22, 1926	18	11	8	9
260	Robbins, Josephus Amberg	Kentucky	June 16, 1926	17	8	8	9
313	Robinson, Frank Laedlein	At large (Pres.)	June 15, 1926	16	5	8	9
377	Robinson, Oakleigh Williams	New Hampshire	June 16, 1926	18	1	8	9
322	Roby, Allan Barkhurst	Kentucky	June 30, 1926	18	7	8	9
*28	Rodgers, James William	Colorado	June 16, 1926	18	8	8	9
187	Rohr, Charles Herman Adolph	New York	June 21, 1926	18	11	7	1
303	Rosasco, Robert Adrian	Florida	June 29, 1926	17	10	8	9
89	Ross, Russell Roosevelt	California	June 25, 1926	20	3	8	9
363	Ruddy, Joseph Aloysius, jr.	New York	July 20, 1926	18	2	8	9

405 members, for the last year of their academic course—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineering and aero- nautics	Electrical engineering and physics	English	Lan- guages	Hygiene	Aptitude for service	Aggre- gate fourth year
Maximum									
64	64	40	56	64	20	16	8	68	400
48.24	47.52	27.85	38.15	43.20	13.45	11.24	6.62	61.03	297.30
48.72	49.12	29.05	37.87	43.52	14.85	12.68	6.56	56.10	298.47
50.96	54.08	32.25	43.68	49.36	15.70	12.12	7.10	62.73	327.98
55.52	57.52	36.55	45.29	52.00	16.35	13.52	7.34	56.95	341.04
54.24	52.40	33.40	39.83	47.44	14.95	13.76	7.04	54.23	317.29
54.40	49.20	31.30	43.05	48.64	14.70	13.08	6.76	64.43	325.56
51.12	52.00	32.70	43.40	46.48	14.20	12.08	6.90	61.54	320.42
48.40	46.80	28.25	37.52	42.40	14.50	11.84	6.60	54.23	290.54
56.08	56.40	35.85	45.71	54.96	15.70	14.52	7.28	63.24	349.74
55.20	51.68	29.10	41.79	46.40	18.60	12.48	7.44	56.61	319.30
54.56	56.48	35.55	42.77	47.84	15.65	11.32	7.48	57.63	329.28
45.04	45.68	27.95	37.03	41.36	12.55	10.68	7.02	52.02	279.33
47.76	46.96	28.25	37.59	42.80	13.55	11.16	6.64	49.98	284.69
47.68	46.24	28.95	38.43	45.92	13.85	11.32	5.94	55.25	293.58
54.80	52.64	33.25	42.98	47.76	15.30	11.92	7.24	56.61	322.50
48.88	51.52	28.05	38.64	42.88	13.60	10.52	6.84	54.57	295.50
58.24	55.92	34.85	44.03	56.48	16.10	12.64	7.30	55.76	341.32
46.24	43.52	25.85	36.26	41.12	14.35	11.44	6.46	59.50	284.74
47.44	48.40	28.00	38.64	42.72	14.10	10.88	6.24	62.90	299.32
52.88	52.80	35.35	45.08	55.68	15.85	13.56	7.74	58.82	337.76
50.08	45.44	28.45	37.17	43.68	14.35	11.16	7.08	53.89	291.30
49.76	52.40	29.75	39.55	46.32	14.60	11.20	6.86	57.97	308.41
45.12	46.00	26.60	36.12	41.20	13.60	11.16	6.88	57.29	283.97
45.60	44.88	26.25	38.85	44.08	14.20	12.48	6.46	57.29	290.09
49.12	49.92	27.60	40.53	48.48	15.20	12.72	6.86	56.95	307.38
48.72	46.64	28.00	41.23	45.60	14.40	10.72	6.66	60.18	302.15
57.36	57.20	35.05	45.64	52.16	16.95	13.20	7.14	60.69	345.39
51.76	54.40	34.60	43.40	47.60	14.95	11.80	7.18	64.60	330.29
47.52	45.68	27.65	38.36	41.28	14.10	11.28	6.98	61.88	294.73
54.24	52.08	32.50	42.49	49.04	14.40	12.12	6.80	59.33	323.00
51.36	45.12	29.30	37.45	41.20	15.70	12.88	6.60	51.17	290.78
48.40	48.64	29.10	37.59	44.56	13.30	10.88	7.10	54.74	294.31
49.68	47.52	28.90	38.29	44.48	13.40	10.84	6.76	55.93	295.80
53.68	54.88	33.40	40.88	46.40	15.60	11.60	6.72	56.44	319.60
49.12	47.20	27.35	39.55	44.64	13.95	11.84	6.86	56.44	296.95
58.00	53.44	33.29	42.63	49.92	15.75	12.40	6.84	51.68	323.86
54.96	55.60	34.45	42.70	47.84	14.95	13.72	7.08	55.93	327.23
45.68	44.32	26.35	37.38	44.24	13.50	10.96	6.50	52.53	281.46
45.60	44.64	27.60	37.45	42.32	13.75	10.80	6.96	57.97	287.09
51.92	54.08	31.70	38.08	46.00	14.50	13.52	7.54	56.44	313.78
47.60	51.76	30.90	40.46	44.80	14.45	10.56	6.28	62.73	309.54
50.96	50.00	29.60	41.51	47.20	13.70	12.28	7.12	59.33	311.70
51.60	51.36	28.85	41.09	46.96	13.80	12.92	6.90	59.67	313.15
47.68	52.00	30.50	41.16	48.56	14.80	12.68	7.44	54.40	309.22
49.44	49.04	28.95	39.20	42.96	14.45	12.00	7.08	57.80	300.92
48.32	49.36	27.90	37.31	43.20	14.80	13.48	7.50	52.70	294.57
46.40	43.84	26.35	38.43	44.08	13.25	11.68	6.90	53.55	284.48
48.56	48.56	27.05	39.41	43.60	13.15	10.56	6.36	56.44	293.69
54.80	57.20	33.65	46.13	48.80	17.00	13.96	7.56	62.39	341.49
48.64	51.52	29.70	40.32	50.32	15.40	13.52	6.80	53.55	309.77
49.36	48.24	29.20	39.48	44.88	14.00	14.12	7.10	49.13	295.51
51.92	53.84	30.80	42.07	47.84	16.20	13.68	6.96	61.71	325.02
47.36	44.48	30.20	37.87	44.56	14.35	11.80	6.94	49.81	287.37

Merit roll of the midshipmen of the graduating class (class of 1930),

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in prac- tice ships	
				Years	Months	Months	Days
326	Ruff, Lawrence Ernest	New York	June 29, 1925	20	0	8	9
MC211	Russell, Paul Wesley	North Dakota	June 14, 1926	19	1	2	8
194	Rutter, Royal Lawrence	Idaho	do	18	8	8	9
204	Salisbury, Jack Sumner	Washington	June 21, 1926	19	1	8	9
MC320	Salmon, Ronald Dean	Michigan	June 28, 1926	17	3	8	9
258	Sanchez, Henry Gabriel	New York	do	18	6	5	15
173	Sanders, Eddie Reuel	Illinois	June 24, 1926	18	9	7	28
349	Sanders, William Henry, jr	California	Aug. 14, 1926	19	2	8	9
110	Sands, Eugene Thomas	Alabama	June 18, 1926	19	4	8	9
137	Sass, Donald Jacob	Maryland	June 16, 1926	19	4	8	9
127	Scull, Gifford	New Jersey	Sept. 23, 1926	19	1	8	9
63	Seay, George Cameron	Virginia	Aug. 12, 1926	18	4	8	9
200	Shaffer, John Jackson, 3d	Louisiana	June 28, 1926	17	1	8	9
236	Sharp, Raymond Neil	Tennessee	Aug. 30, 1926	20	5	8	9
818	Sheeley, William Robert	Kentucky	June 22, 1926	19	4	8	9
*23	Simons, Manley Hale, jr ¹	Rhode Island	June 14, 1926	17	11	8	9
353	Sisson, John Edgar	New York	June 21, 1926	19	4	8	9
70	Sloat, Frank Truman	Pennsylvania	do	19	2	8	9
337	Smith, Harry	Illinois	June 18, 1926	17	3	8	9
m229	Smith, Julius Lundie, jr	Georgia	June 22, 1926	18	11	8	9
266	Smith, Philip Thomas, jr	Connecticut	June 15, 1926	18	4	8	9
216	Snead, William Overton, jr	Virginia	July 1, 1926	18	8	8	9
m352	Snyder, Joseph Cantwell	Pennsylvania	June 18, 1926	19	3	8	9
202	Spencer, Hiram Warner	Georgia	do	18	9	8	9
*14	Spofford, Richard Tenney	Massachusetts	June 16, 1926	18	8	8	9
373	Spring, Arthur Finn	New Hampshire	do	17	6	3	25
MC172	Steiner, William Bassett	Missouri	June 30, 1926	19	1	8	9
114	Stevens, Clyde Benjamin, Jr	Colorado	June 28, 1926	17	9	8	9
184	Stevens, James Edward	New Jersey	June 16, 1926	19	6	6	3
356	Stevenson, Harry Clinton	Ohio	June 21, 1926	20	0	6	23
m228	Stewart, William Henry	New York	do	19	7	8	9
60	Stich, Francis Stephen	Wisconsin	July 27, 1926	19	2	7	1
m146	Stretch, David Albert	New Jersey	July 2, 1926	17	9	8	9
100	Stroh, Robert Joseph	New York	June 14, 1926	18	7	8	9
230	Strohbehn, Walter William	Iowa	June 15, 1926	18	5	8	9
*32	Sutherland, Robert Theodore, jr	Colorado	do	16	7	8	9
283	Sutton, Robert Dixie	New York	June 25, 1926	19	5	8	9
121	Swan, Bryan Fred	Missouri	June 22, 1926	19	1	5	7
198	Tatom, James Fletcher	Florida	July 13, 1926	18	8	8	9
152	Taylor, Robert Hudson	Georgia	June 14, 1926	17	9	8	9
206	Thibault, James Lorenzo	Arkansas	June 18, 1926	19	11	8	9
251	Thomas, William Clyde	Pennsylvania	June 24, 1926	18	9	8	9
m235	Thompson, Lloyd Cooper	Mississippi	June 18, 1926	19	1	8	9
277	Thornhill, Thomas James, jr	Texas	June 15, 1925	20	2	4	15
250	Tisdale, William Graham, jr	Michigan	June 28, 1926	17	4	8	9
46	Trippensee, Bruce Edward Scofield	Ohio	June 14, 1926	18	11	8	9
192	Trower, Robert Smith, 3d	Virginia	June 26, 1926	18	10	8	9
288	Van Metre, Thaddeus Johnson	Nevada	July 7, 1926	19	2	8	9
311	Verhoye, Harry James	New Jersey	July 12, 1926	16	8	8	9
171	Vorhees, Mack Edmund	Ohio	June 21, 1926	20	2	8	9
399	Vosseller, James Oliver	Illinois	Sept. 3, 1926	19	2	8	9
81	Wadsworth, Alexander Scammel Cameron	At large (Pres.)	June 16, 1926	18	1	8	9

¹ Name changed from Manley Hale Simons, 3rd.

405 members, for the last year of their academic course—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineering and aero- nautics	Electrical engineering and physics	English	Lan- guages	Hygiene	Aptitude for service	Aggre- gate fourth year
Maximum									
64	64	40	56	64	20	16	8	68	400
50.96	48.80	29.60	40.60	43.76	12.55	11.80	7.00	47.77	292.84
52.24	48.72	29.95	39.76	48.16	13.90	11.44	6.84	56.27	307.28
50.08	51.60	33.75	40.11	44.40	15.40	11.16	7.62	55.08	309.20
49.04	51.52	30.30	41.09	46.16	14.50	11.56	7.20	56.78	308.15
46.32	46.96	28.50	38.50	46.56	13.05	10.76	5.82	57.29	293.76
48.40	50.16	28.70	39.06	44.56	14.25	13.16	6.92	56.44	301.65
51.52	51.52	30.75	39.41	43.36	14.25	12.44	7.40	61.71	312.36
46.96	46.08	28.05	36.75	44.08	12.95	12.12	6.56	55.76	289.31
53.92	52.48	31.65	42.28	48.72	15.25	12.44	7.24	57.29	321.27
50.64	50.16	30.05	42.00	46.64	17.15	11.96	7.66	61.03	317.29
52.88	52.08	30.40	40.53	48.00	15.55	13.16	6.84	69.67	319.11
52.16	55.28	34.25	43.82	54.40	14.85	12.40	6.96	54.91	320.03
48.40	47.84	28.45	39.97	44.32	17.20	12.72	7.62	62.05	308.57
49.44	48.32	28.80	43.33	47.12	13.85	10.68	7.28	55.42	304.24
47.76	46.80	28.65	38.29	44.32	14.60	12.20	6.84	54.74	294.20
55.12	54.88	36.00	45.71	54.08	15.65	11.52	7.06	62.39	342.41
46.08	47.68	28.10	40.67	43.92	13.90	11.16	6.08	51.00	288.59
53.28	55.12	33.25	43.40	50.64	16.00	12.28	7.02	56.95	327.94
45.60	46.16	28.30	36.89	42.72	13.05	11.00	6.04	61.03	290.79
51.84	48.08	27.70	36.89	42.72	16.90	12.60	6.44	62.05	305.22
51.04	49.68	29.85	38.78	45.28	14.40	11.44	7.28	52.02	299.77
50.88	48.96	29.55	39.48	43.84	14.10	12.56	6.40	60.69	306.46
49.28	48.48	26.90	38.22	45.20	13.10	12.08	6.04	49.30	288.60
50.64	50.48	29.35	41.02	45.92	15.80	13.40	6.50	55.08	308.19
55.52	56.24	34.95	46.90	54.56	16.85	14.40	7.30	60.18	346.90
45.68	44.88	27.25	38.43	43.04	13.45	11.36	6.34	54.74	285.17
51.52	53.20	30.85	39.20	43.84	13.70	14.08	7.18	58.82	312.39
53.20	52.24	31.45	43.05	50.08	14.70	12.72	7.50	55.76	320.70
52.24	49.44	30.40	40.53	46.64	15.45	11.64	6.98	57.12	310.44
46.00	45.20	29.05	38.15	44.08	13.65	10.64	6.86	54.74	288.37
49.36	48.88	30.40	38.57	43.84	16.50	11.64	7.40	58.82	305.41
54.96	53.92	31.85	42.00	53.84	15.50	12.56	6.44	58.99	330.06
54.00	47.92	29.40	40.39	48.88	16.10	12.92	7.64	58.48	315.73
52.48	52.56	32.70	41.93	49.04	14.65	12.76	6.84	59.84	322.80
52.16	51.92	30.80	38.50	44.72	15.50	11.12	7.28	53.21	305.21
57.04	55.36	36.80	45.08	52.72	15.20	12.20	7.12	59.65	341.17
51.12	47.92	30.00	37.03	43.12	13.55	11.08	6.96	56.61	297.39
50.48	50.56	32.85	41.65	48.56	14.65	12.84	6.54	61.37	319.50
52.32	51.52	29.70	39.41	45.92	14.45	14.12	6.44	55.08	308.96
51.52	48.32	30.30	41.16	46.88	15.25	14.24	7.62	59.67	314.96
51.20	47.12	30.80	38.99	46.72	12.85	13.72	7.14	59.33	307.87
48.80	51.12	29.95	38.78	45.76	13.60	11.36	7.40	55.42	302.19
48.72	48.88	29.00	40.74	44.88	14.70	13.08	7.52	56.78	304.30
48.56	45.76	28.60	38.43	43.76	14.30	11.88	6.38	60.35	298.02
50.16	47.92	27.55	38.92	45.20	15.15	10.64	7.08	59.65	302.27
56.96	53.28	32.55	44.45	50.72	15.80	13.68	6.74	60.69	334.87
47.20	49.28	34.25	38.78	48.08	12.75	10.40	6.94	61.54	309.22
48.40	52.08	32.00	39.34	42.40	14.25	11.00	7.00	50.49	296.96
49.92	45.92	27.20	39.27	43.44	15.75	13.40	7.24	52.53	294.67
50.00	49.84	30.70	40.74	47.68	15.35	11.88	6.94	59.67	312.80
45.44	43.60	27.00	36.19	41.84	14.45	10.60	6.28	50.83	276.23
55.12	51.60	30.75	44.31	48.72	16.60	13.08	7.66	58.14	325.98

Merit roll of the midshipmen of the graduating class (class of 1930),

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
339	Wagner, Edwin Otto.....	New York.....	June 18, 1926	20	1	8	9
MC*34	Wagner, Frank Gilbert, jr.....	Washington.....	July 6, 1926	18	0	8	9
248	Wakefield, Ellis Kerr.....	Pennsylvania.....	June 21, 1926	19	11	8	9
56	Walter, Wilfred Aves.....	California.....	June 14, 1926	18	5	8	9
335	Webb, Thomas Sherman.....	Texas.....	June 21, 1926	19	6	8	9
<i>m*25</i>	Weiss, Frederick Adolph, jr.....	Massachusetts.....	June 28, 1926	17	10	7	1
MC223	Weller, Donald McPherrin.....	West Virginia.....	June 21, 1926	18	2	8	9
199	Weller, Samuel Paxton, jr.....	Tennessee.....	do.....	18	3	8	9
41	Wesanan, William Frank.....	Massachusetts.....	June 14, 1926	19	8	8	9
m197	West, Albert Roswell.....	North Carolina.....	July 1, 1926	16	6	8	9
332	Westhofen, Charles Louis.....	Wisconsin.....	July 26, 1926	18	10	3	26
329	Westropp, Harold Patrick.....	Ohio.....	June 20, 1925	20	2	11	3
87	Whelchel, David Lee.....	Georgia.....	Aug. 12, 1926	20	0	6	3
272	Whitaker, Joe McAdams.....	Tennessee.....	June 28, 1926	19	2	8	9
*13	White, Oliver Edward.....	Indiana.....	June 16, 1926	17	6	8	9
262	Whitehurst, Edson Hill.....	New York.....	June 21, 1926	18	3	8	9
225	Whitfield, James Dickson, jr.....	Tennessee.....	June 22, 1926	18	8	9	9
361	Wilbourne, William Wilkerson.....	Alabama.....	do.....	17	11	8	9
MC224	Wilbur, James Taylor.....	Michigan.....	Aug. 14, 1926	18	9	8	9
MC161	Williams, Francis Hubert.....	Florida.....	June 14, 1926	19	9	8	9
<i>m*7</i>	Williams, Glendon Dean.....	Iowa.....	do.....	18	5	8	9
384	Williams, Macpherson Berrien.....	Georgia.....	July 27, 1926	20	1	8	9
217	Wilson, Francis Edmond.....	Missouri.....	June 23, 1926	19	2	8	9
68	Winant, Frank Ingersoll, jr.....	Maryland.....	July 2, 1926	19	7	8	9
325	Wingard, Walter Clement, jr.....	Georgia.....	June 15, 1926	17	6	8	9
109	Wogan, Thomas Lincoln.....	New York.....	June 28, 1926	17	5	8	9
383	Wolverton, Royal Allen.....	Oklahoma.....	Aug. 19, 1926	19	6	8	9
33	Woodard, William Thornton.....	Kansas.....	June 18, 1926	19	4	8	9
336	Woodruff, James Albert, jr.....	Vermont.....	June 23, 1926	17	11	7	15
402	Wright, Thomas Kenneth.....	Alabama.....	June 14, 1926	20	2	8	9
362	Wygant, Henry Sollett, jr.....	Oklahoma.....	Aug. 21, 1926	20	3	8	9
211	Wylie, William Naylor.....	Ohio.....	July 14, 1926	18	9	8	9
MC292	Yeaton, Samuel Sylvester.....	Maine.....	do.....	19	2	8	9
185	Young, Joseph Burwell Hawkins.....	Pennsylvania.....	June 21, 1926	17	9	8	9

405 members, for the last year of their academic course—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineer- ing and aero- nautics	Electrical engineer- ing and physics	English	Lan- guages	Hygiene	Aptitude for service	Aggre- gate fourth year
Maximum									
64	64	40	56	64	20	16	8	68	400
48.32	46.24	28.75	36.82	44.48	13.45	11.96	6.18	54.40	290.60
55.68	55.52	35.35	45.99	54.32	14.85	13.52	6.48	58.82	340.53
48.80	49.76	28.00	39.76	44.56	14.70	11.00	6.70	59.16	302.44
56.00	51.92	33.10	44.59	53.44	14.05	11.96	7.48	59.65	332.19
46.08	46.48	27.65	39.55	42.80	13.40	11.24	6.92	56.78	290.90
55.84	57.12	35.15	46.76	52.40	16.15	12.92	7.10	58.82	342.26
50.80	49.52	30.40	41.02	46.00	15.75	11.24	6.80	54.23	305.76
51.76	47.76	29.80	40.11	46.64	14.90	13.24	6.74	57.63	308.58
56.08	55.28	34.75	44.94	53.12	15.15	11.96	7.52	57.80	336.60
49.20	49.84	33.45	39.97	44.96	13.15	10.92	7.54	60.01	309.04
46.48	46.64	29.40	38.64	44.88	13.70	11.96	7.06	52.87	291.63
49.68	47.44	29.90	37.59	47.04	13.35	11.56	6.96	48.45	291.97
53.44	50.40	30.35	42.28	46.80	16.50	14.00	7.18	64.09	325.04
48.96	48.64	28.50	39.13	46.24	16.40	11.04	6.82	53.55	299.28
56.00	56.40	37.20	46.76	56.64	16.10	12.84	7.44	57.63	347.01
49.92	49.20	30.45	38.43	45.04	15.35	11.52	7.28	53.55	300.74
51.44	50.16	29.30	40.25	46.08	14.30	11.20	6.66	56.27	305.66
45.28	44.64	27.75	38.29	42.72	13.85	11.12	7.50	56.44	287.59
49.60	48.32	30.00	40.04	43.04	16.00	11.16	7.36	60.18	305.70
49.76	51.20	29.90	40.25	48.80	16.50	11.00	7.08	59.67	314.16
57.52	58.56	35.70	46.83	54.80	17.90	13.68	7.46	58.14	350.59
46.40	44.88	26.40	36.75	42.00	13.55	11.32	7.12	53.89	282.31
48.00	50.72	32.50	40.74	44.40	15.20	11.48	7.02	56.10	306.16
56.56	54.40	34.05	44.03	49.92	14.95	13.20	7.08	54.06	328.25
49.44	44.56	27.30	38.99	44.72	13.60	11.68	6.98	55.93	293.20
50.72	52.80	33.65	42.77	49.28	16.25	14.04	7.22	54.74	321.47
44.72	46.08	27.50	36.61	41.20	14.20	12.44	7.24	52.53	282.52
48.72	47.44	28.45	36.82	42.88	14.10	10.24	7.16	56.10	291.91
48.24	45.52	27.30	37.03	42.40	14.80	11.12	6.98	57.46	290.85
42.96	43.52	26.70	38.78	41.52	12.85	10.20	6.70	50.66	273.89
45.92	45.20	28.55	37.73	43.52	13.95	10.64	7.52	54.40	287.43
49.84	50.48	29.20	42.00	46.16	14.70	11.04	7.42	56.44	307.28
50.96	47.36	29.95	37.80	43.68	12.85	11.20	7.02	55.93	296.75
51.20	49.52	30.35	42.49	46.32	14.50	13.40	7.24	55.25	310.27

Merit roll of the midshipmen of the present first class (class of 1931),

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
151	Abbott, Howard Joseph	Iowa	June 22, 1927	17	1	5	14
372	Adair, Noah, jr	Arizona	June 15, 1927	18	10	5	14
177	Adams, Wayne Horace	Illinois	July 2, 1927	19	11	5	14
354	Aldrich, Charles Warren	California	June 28, 1927	18	10	5	14
375	Allen, Edward Henry	North Dakota	June 14, 1927	19	3	5	14
241	Allen, Robbins Woodhouse	Connecticut	July 15, 1927	17	10	5	14
80	Almgren, Charles Raymond	Illinois	June 16, 1927	18	7	5	14
287	Alston, Augustus Howard, jr.	Georgia	do	19	10	5	14
109	Anderson, Charles Edison	do	June 15, 1927	18	8	5	14
138	Anderson, Jay Stephens	Montana	June 14, 1927	19	1	5	14
*3	Anderson, Richard Kerfoot	Kentucky	June 15, 1927	17	7	5	14
348	Andrews, Richard Stottko	New Mexico	June 30, 1927	19	11	5	14
265	Antrim, Richard Nott	Indiana	June 20, 1927	19	6	4	2
133	Ashworth, Philip Hamilton	Massachusetts	June 13, 1927	18	9	5	14
*39	Ashworth, Thomas, jr.	Idaho	do	18	10	5	14
266	Bailey, Walter Clyde	California	June 30, 1927	18	4	5	14
142	Barker, Horace Dill	New Jersey	June 14, 1927	19	8	5	14
175	Barr, Clark Heimark	California	June 30, 1927	19	7	5	14
322	Bass, Raymond Henry	Arkansas	June 29, 1927	16	6	5	14
71	Bater, Harold	New Jersey	June 14, 1927	18	8	5	14
*6	Bauer, Dale Albert	Nebraska	June 16, 1927	19	9	4	2
348½	Beckmann, Alcorn Gustav	Missouri	do	19	11	5	14
421	Becton, Frederick Julian	Arkansas	June 15, 1927	19	1	5	14
204	Beebe, Robert Park	Utah	June 21, 1927	17	7	5	14
235	Bell, Allen Chamberlain	North Carolina	June 16, 1927	18	8	5	14
295	Bellis, Louis Joseph	New York	do	19	4	5	14
300	Berthold, Kenneth Carmel	Massachusetts	June 17, 1927	19	3	5	14
*45	Betts, Sherman Wilcox	New York	June 14, 1927	17	8	5	14
114	Biglow, James Otis	Ohio	do	19	9	5	14
307	Bingham, Edward Meade	Virginia	June 30, 1927	20	2	5	14
306	Black, Joseph Dean	Illinois	June 13, 1927	18	5	5	14
153	Black, Orrin Franklin	Kentucky	June 15, 1927	20	2	4	2
103	Blessman, Edward Martin	Wisconsin	June 21, 1927	19	6	5	14
*36	Booth, Charles Thomas, 2d	Massachusetts	do	17	5	5	14
344	Bowstrom, Robert Milton	Michigan	July 15, 1927	19	9	4	2
357	Brace, Frederic Richard	California	Aug. 20, 1926	18	1	5	14
189	Braught, Charles Franklin	Pennsylvania	June 21, 1927	17	0	5	0
65	Braun, William Baumert	New Jersey	June 14, 1927	17	10	5	14
124	Brookway, John Hadley	Wyoming	June 23, 1927	17	0	5	14
213	Bronson, Ward	New York	Aug. 1, 1927	16	11	5	14
154	Brooks, Charles Ballance, jr.	Tennessee	June 20, 1927	17	2	5	14
53	Brossy, Henry Earl	New York	June 30, 1927	18	11	5	14
110	Brown, Elliott Mitchell	Utah	June 14, 1927	19	10	5	14
167	Brown, Nelson Kenyon	Pennsylvania	July 5, 1927	18	6	5	14
377	Brown, Robert Samuel	Arkansas	July 11, 1927	19	11	5	14
*22	Brunelli, Austin Roger	New Mexico	June 17, 1927	19	10	5	14
390	Brush, Frederick James	Pennsylvania	July 5, 1927	18	11	5	14
52	Buchholz, Gustavus William, jr.	North Carolina	June 17, 1927	18	11	5	14
243	Burns, Edward Stitt	Alabama	June 15, 1927	18	10	5	14
264	Burt, Eugene Vosburgh	Minnesota	June 16, 1927	18	1	5	14
125	Butterfield, Albert William	Illinois	Aug. 8, 1927	17	8	5	14
303	Byng, John Weston	New York	Sept. 14, 1927	18	8	3	23
*34	Callaway, Peyton Parks	Missouri	June 14, 1927	19	5	5	14
144	Carr, Bruce Lewis	Ohio	June 21, 1927	19	11	5	14

for the third year of their academic course, 454 members, June, 1930

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineer- ing and aeronautics	Mathe- matics	Electrical engineer- ing and physics	Lan- guages	Aptitude for service	Aggre- gate third year
Maximum								
24	24	48	56	36	48	16	48	300
20.34	19.62	37.86	41.56	26.37	37.24	13.28	42.60	238.87
18.66	18.06	36.06	38.16	24.12	33.84	12.08	37.56	218.54
19.80	19.02	34.86	39.88	28.53	36.56	14.92	43.08	236.65
19.20	17.28	35.40	38.18	24.57	36.36	12.80	37.68	221.47
17.40	18.00	32.04	39.58	23.49	35.32	10.24	42.24	218.31
20.16	18.90	38.82	42.20	23.85	39.04	11.52	37.08	231.57
19.98	20.70	38.34	44.96	29.88	38.88	12.24	42.84	247.82
19.08	19.26	37.50	39.64	23.49	34.80	10.56	42.96	227.29
19.44	19.62	38.46	43.28	30.51	40.72	12.40	39.48	243.91
19.38	19.08	37.92	42.14	29.79	37.40	12.16	42.24	240.11
22.26	21.30	42.54	49.96	30.78	43.56	14.52	41.76	266.68
18.24	18.96	33.36	38.08	26.64	33.08	11.24	42.96	222.56
18.00	18.66	36.06	41.92	25.65	36.80	11.84	40.44	229.37
21.24	19.50	37.86	44.18	25.74	39.52	11.12	41.52	240.68
21.54	20.82	41.34	46.64	28.62	42.40	12.88	41.88	256.12
19.08	19.02	33.18	42.00	27.72	35.80	12.60	39.60	229.00
19.56	20.34	36.96	44.88	25.65	38.52	12.08	41.64	239.63
18.42	19.26	35.88	43.50	27.36	38.16	11.68	42.48	236.74
18.54	16.98	35.04	40.66	26.64	37.16	10.72	38.64	224.38
21.60	20.76	39.84	44.06	30.60	39.28	12.68	40.20	249.02
20.88	21.60	41.58	48.18	32.94	42.64	13.44	42.96	264.22
18.24	18.96	32.28	39.28	26.01	35.28	10.88	41.52	222.45
16.86	16.26	33.12	36.96	23.94	31.80	11.80	40.68	211.42
19.68	19.56	40.44	41.94	25.56	36.52	10.80	39.96	234.46
19.44	19.14	35.88	42.82	26.82	38.60	10.84	38.76	232.30
18.18	17.76	37.32	40.02	25.38	35.12	11.64	40.92	226.34
18.00	16.26	40.62	36.88	23.49	36.60	13.28	40.92	226.05
22.32	20.82	42.30	46.40	29.61	39.52	13.84	40.56	255.37
18.96	18.66	39.18	42.64	31.77	39.76	11.88	40.20	243.05
19.26	18.42	32.28	43.04	25.20	36.44	10.52	40.44	225.60
19.32	18.54	34.44	41.06	26.01	34.24	10.48	41.52	225.61
18.90	19.08	37.92	42.90	30.33	40.16	12.92	36.24	238.45
22.02	20.28	38.10	46.32	25.83	37.84	14.12	40.80	245.31
21.60	22.26	38.88	48.34	29.34	41.12	14.44	40.20	256.18
17.40	17.34	34.86	37.84	24.48	35.08	12.08	43.56	222.64
19.26	16.32	32.70	37.48	25.38	40.24	10.96	38.76	221.10
18.90	17.88	38.94	39.40	27.45	38.00	10.84	44.16	235.57
21.18	20.58	39.90	45.22	29.07	41.00	13.80	39.48	250.23
20.46	18.36	37.26	41.58	30.78	37.12	13.60	43.08	242.24
18.60	18.90	34.86	41.60	27.63	39.40	11.84	41.04	233.87
19.50	19.26	38.58	42.32	29.34	38.92	11.16	39.36	238.44
21.78	21.84	40.44	48.98	28.53	41.52	11.24	39.48	253.81
21.24	20.22	36.48	43.08	27.27	40.40	11.88	43.32	243.89
20.34	19.14	36.48	42.30	27.72	36.72	13.08	42.00	237.78
18.66	17.16	35.64	37.94	24.75	32.68	12.24	39.12	218.19
19.80	20.70	41.10	45.86	31.77	42.68	13.56	43.08	258.55
17.22	17.10	34.02	38.52	25.56	33.40	10.92	39.84	216.58
21.66	21.18	40.56	45.18	30.87	40.64	12.48	41.40	253.97
19.26	19.74	37.56	41.14	25.83	38.64	11.44	37.44	231.05
17.52	18.66	35.70	40.08	26.37	37.68	11.64	41.88	229.53
21.12	19.50	38.76	43.86	28.26	39.88	11.12	39.72	242.22
18.24	18.66	35.82	39.48	25.38	34.64	11.00	42.60	225.82
22.08	21.00	42.12	46.90	27.63	42.40	13.16	41.16	256.45
20.82	20.52	38.22	43.58	28.35	36.64	12.12	39.36	239.61

Merit roll of the midshipmen of the present first class (class of 1931), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
419	Cashman, John Daniel	California	June 30, 1927	18	6	5	14
355	Cassedey, Hiram	Mississippi	June 16, 1927	18	11	5	14
165	Castree, John Fordyce	Pennsylvania	June 30, 1927	19	8	4	2
221	Chandler, Bryant Ackley	New York	June 23, 1927	18	8	5	14
63	Chew, John Louis	Georgia	June 28, 1927	17	9	5	14
190	Child, Harris Petrikin	Pennsylvania	June 21, 1927	17	6	5	14
342	Clarke, Paul Walker	Virginia	June 20, 1927	19	1	5	14
*9	Colwell, John Barr	Nebraska	June 21, 1927	17	7	5	14
262	Cone, James Ingham	Florida	June 13, 1927	19	0	5	14
196	Cook, Charles Olney, jr	Michigan	June 17, 1927	16	4	5	14
172	Cook, John Henry, Jr	At large (Pres.)	Aug. 4, 1927	19	4	5	14
402	Cook, Lawrence Blanchard	New Hampshire	June 16, 1927	19	9	5	14
335	Cooke, Eb Smith	Mississippi	June 21, 1927	18	7	5	14
405	Cooper, Harlan Cyril	Indiana	July 2, 1927	19	5	5	14
352	Cooper, Robert Ward	New York	June 20, 1927	18	4	5	14
433	Copeland, Nathan Carroll	California	June 13, 1927	19	11	5	14
277	Copeman, Thomas Henry	Pennsylvania	June 20, 1927	20	2	5	14
256	Corliss, Warren George	Vermont	July 12, 1927	17	1	5	14
*54	Cowell, La Vere	North Dakota	June 24, 1927	19	8	5	14
312	Cox, Marshall Herbert	California	June 15, 1927	19	11	5	14
130	Crane, Leo O	P. A. 348 (Pres.)	do	19	7	4	16
132	Crane, Richard Henry	Connecticut	June 14, 1927	19	2	5	14
400½	Crinkley, Francis Duke	North Carolina	June 30, 1927	19	5	3	2
163	Crommelin, Charles Lawrence	Alabama	June 21, 1927	18	3	5	14
187	Crowley, John Daniel	Massachusetts	Aug. 11, 1927	18	11	5	14
284	Crumpacker, John Webber	Indiana	July 13, 1927	19	0	5	14
84	Cullinan, Ralph Francis, jr	New York	June 20, 1927	18	3	5	14
160	Cumberledge, Arthur Albert	Ohio	June 29, 1927	19	1	5	14
98	Cummings, Damon Morris	At large (Pres.)	June 20, 1927	17	5	5	14
60½	Daniels, Arthur Noyes	California	June 13, 1927	18	8	3	4
118	Daniels, Donald Vickers	South Dakota	June 14, 1927	18	0	5	14
412	Davis, DeAtley Ingalls	Kansas	June 15, 1927	18	4	5	14
411	Davis, James Henry	Utah	June 14, 1927	20	1	5	14
396	Day, Carl Albert	Kansas	June 23, 1927	19	10	5	14
*8	Day, Edward Maynard	Pennsylvania	June 14, 1927	17	4	5	14
431	DeMetropolis, George	New York	June 16, 1927	18	2	5	14
259	Dempsey, James Charles	At large (Pres.)	June 14, 1927	18	9	5	14
254	De Young, Henry George	Michigan	June 16, 1927	19	11	5	14
245	Dillon, Edward James	New York	do	20	0	5	14
96	Dodson, Lucian Frank	Illinois	June 13, 1927	18	11	5	14
*36	Dorsett, John Orem Fillmore	Indiana	June 15, 1927	20	0	5	14
234	Drake, Harrington Max	California	July 11, 1927	18	2	5	14
294	Dunn, William Archer	Mississippi	June 21, 1927	20	2	5	14
79	Elden, Ralph Waldo	Oregon	June 14, 1927	19	11	5	14
60	Ellis, Lee Adrian	Wisconsin	June 20, 1927	19	9	5	14
212	Ellsworth, Ernest Bradford, Jr	Connecticut	July 12, 1927	17	10	5	14
269	Engel, Edmund Lyford	Washington	do	17	10	5	14
349	Engelhardt, Egon Paul	New York	June 18, 1926	20	2	8	8
83	Ernest, Ralph Nelson	Pennsylvania	June 30, 1927	19	4	5	14
268	Evans, Ernest Edwin	Oklahoma	June 29, 1927	18	11	5	14
78	Fabian, Rudolph Joseph	Montana	June 21, 1927	19	1	5	14
254	Fahle, Robert Schley	Texas	do	17	11	5	14
178	Farquharson, Robert Burns, jr	Vermont	June 20, 1927	17	1	5	14
415	Farrington, Elwin Levi	California	June 28, 1927	19	8	5	14

third year of their academic course, 454 members, June, 1930—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Naviga- tion	Engineering and aeronautics	Mathe- matics	Electrical engineer- ing and physics	Lan- guages	Aptitude for service	Aggre- gate third year
Maximum								
24	24	48	56	36	48	16	48	300
17.58	17.22	32.40	37.04	23.58	31.92	11.56	40.68	211.98
18.66	19.08	31.86	39.98	25.11	33.64	10.88	42.24	221.45
19.20	19.14	36.18	42.18	29.07	39.76	11.12	41.16	237.81
21.06	19.80	35.28	41.30	23.85	36.32	13.00	42.72	233.33
21.90	20.70	38.10	46.56	27.18	41.36	12.24	42.60	250.64
19.08	18.90	38.28	41.18	31.23	37.56	11.04	38.28	235.55
17.70	17.94	37.50	38.78	24.21	35.84	10.40	40.44	222.81
22.14	21.66	43.56	45.20	31.86	43.32	13.52	41.28	262.54
20.40	16.92	36.36	39.84	27.81	36.40	12.04	39.84	229.61
20.52	18.78	35.94	39.34	27.81	37.84	12.36	42.48	235.07
18.18	19.44	38.16	41.88	28.98	40.24	11.48	39.12	237.48
17.34	16.98	32.46	37.56	25.56	31.60	10.96	42.72	215.18
19.68	18.18	33.30	42.66	25.92	34.76	11.08	38.28	223.86
18.30	17.76	32.16	38.50	23.13	34.24	11.16	39.84	215.09
19.68	18.84	32.58	40.58	23.49	33.80	12.20	40.44	221.61
17.28	16.14	32.10	36.64	23.76	31.64	11.36	38.52	207.44
19.26	19.08	35.10	42.82	24.84	36.04	11.68	39.60	228.42
19.92	19.26	36.18	41.60	24.21	38.88	12.04	38.04	230.13
22.02	22.74	37.26	49.86	30.78	40.64	12.40	38.04	253.74
20.22	16.74	35.28	37.48	25.83	35.36	15.16	39.00	225.07
20.64	19.62	38.46	41.30	28.26	39.36	12.00	41.88	241.52
21.78	20.28	36.54	43.78	27.18	36.04	14.12	41.40	241.12
18.18	17.28	33.12	39.16	25.56	34.24	11.32	36.60	215.46
20.04	19.44	36.12	43.14	26.46	39.00	11.60	42.12	237.92
20.70	19.50	36.84	42.06	26.01	39.00	11.92	39.60	235.63
20.10	20.04	34.26	43.42	23.76	35.36	11.24	39.48	227.66
22.14	21.00	37.86	45.82	25.29	37.64	15.20	42.12	247.07
20.76	19.62	38.58	43.72	26.10	39.04	10.96	39.48	238.26
22.50	22.02	36.54	45.12	25.11	38.88	14.28	41.64	246.09
20.70	20.82	38.28	46.50	27.99	41.20	13.52	42.12	251.13
21.12	20.04	35.04	43.44	27.72	39.44	11.00	42.00	242.80
18.54	16.62	32.04	37.70	24.57	32.60	12.96	38.64	213.67
17.58	17.28	32.22	38.80	22.77	33.60	10.52	41.16	213.93
18.24	19.24	33.00	38.86	23.04	32.96	10.96	39.84	216.14
22.02	21.72	40.86	49.96	32.58	43.88	13.68	38.04	262.74
17.40	16.38	33.12	36.98	23.94	31.40	10.60	39.72	209.54
20.16	19.32	34.62	41.16	23.85	35.32	11.96	43.44	229.83
19.32	19.68	33.96	42.46	26.73	35.68	11.44	41.04	230.31
20.70	20.70	34.44	43.24	24.75	35.16	12.92	39.00	230.91
21.42	20.76	36.54	46.78	28.44	39.04	12.64	40.68	246.30
19.68	20.34	42.66	44.08	32.22	43.32	12.12	41.76	256.18
21.66	19.26	36.06	43.10	25.47	36.32	12.28	38.16	232.31
18.60	18.18	35.40	42.32	26.19	36.04	10.72	39.12	226.57
21.48	20.16	38.46	45.14	28.53	41.44	12.48	40.80	248.49
20.58	19.38	40.56	44.98	29.79	41.08	13.08	42.24	251.69
20.10	19.86	36.36	43.94	23.94	37.48	11.76	40.68	234.12
18.84	18.06	35.82	39.68	26.46	36.20	12.24	41.52	228.82
19.74	18.30	36.60	37.98	25.38	34.92	11.08	38.40	222.40
21.24	20.40	38.82	44.12	27.81	39.00	14.08	41.64	247.11
19.50	18.78	35.70	40.08	26.01	36.16	12.56	40.08	228.87
20.40	20.16	39.30	44.44	28.89	37.32	14.24	43.80	248.55
18.36	18.48	35.64	44.12	24.57	37.12	12.92	39.12	230.33
19.68	20.28	34.02	42.52	29.07	36.52	10.60	43.80	236.49
17.52	17.22	32.88	38.36	24.39	33.16	11.08	38.28	212.89

Merit roll of the midshipmen of the present first class (class of 1931), for the

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
326	Fawcett, Isaac	Illinois	June 29, 1927	18	11	5	14
148	Fellows, John Benjamin, jr.	Massachusetts	June 13, 1927	17	4	5	14
146	Felton, Cleon Henry	Indiana	July 1, 1927	19	8	5	14
191	Ferguson, Edward Franklin	Connecticut	June 30, 1927	18	11	5	14
104	Ferrill, Homer Edwin	Illinois	June 23, 1927	18	9	5	14
182	Fiala, Reid Puryear	New York	July 19, 1927	18	6	5	14
225	Field, Benjamin Prince, jr.	do	June 15, 1927	19	0	5	14
90	Firth, Maxim William	Vermont	June 14, 1927	19	0	5	14
81	Fitch, Robert Atwood	Nebraska	June 21, 1927	19	3	5	14
226	Fitts, William Wilson	Georgia	June 13, 1927	18	7	5	14
135	Fitzgerald, John Allison	California	June 30, 1927	19	1	5	11
171	Fitzgerald, William Henry	Massachusetts	June 16, 1927	17	6	5	14
50	Flaherty, Arthur Ingoldsby	do	July 20, 1927	17	3	5	14
*24	Flynn, Joseph Edward	New York	June 14, 1927	19	7	5	14
409	Fojt, Robert Edward	Texas	June 21, 1926	20	2	6	2
77	Foley, Francis Joseph	New York	June 16, 1927	17	1	5	14
*42	Foley, Joseph Ferrall	Georgia	July 15, 1927	18	9	5	14
244	Forbes, Lorenz Quenzer	New York	June 16, 1927	17	7	5	14
253	Forde, George Stephen John	Pennsylvania	June 23, 1927	18	10	5	14
180	Forney, Edward Hanna, jr.	New York	June 27, 1927	17	10	5	14
280	Foster, Edward Lee	Alabama	June 21, 1927	17	5	5	14
122	Francisco, José	Philippine Islands	Aug. 15, 1927	18	1	5	14
108	Fraser, Archie Donald	California	July 11, 1927	18	1	5	14
403	Freeman, George Fonville	Tennessee	June 20, 1927	18	7	5	14
332	Freshour, William McKee	Ohio	June 23, 1927	17	11	5	14
210	Gaasterland, Clarence LeRoy	Minnesota	June 16, 1927	18	1	5	14
*26	Gadrow, Robert Emett	Rhode Island	June 30, 1927	19	5	5	14
*15	Gale, Winsor Colvig	Oregon	June 16, 1927	19	8	5	14
184	Gallaher, Wilmer Earl	Delaware	June 30, 1927	20	2	5	14
*35	Games, Edmund Burke	Ohio	June 29, 1927	18	1	5	14
249	Gannon, John Wendell	California	July 11, 1927	18	3	4	2
413	Gardiner, Joseph Marshall	Kansas	June 15, 1927	18	10	5	14
282	Garton, Will Melville, jr.	At large (Pres.)	June 27, 1927	17	2	2	21
137	Gaviglio, Peter Massimo	California	June 25, 1927	19	4	5	14
218	Ghetzler, Benjamin	Texas	June 30, 1927	19	9	5	14
62	Gibson, Wayne Folk	Arkansas	June 21, 1927	19	8	5	14
319	Gilbert, Roy Owen, jr.	Illinois	July 12, 1926	19	4	5	14
321	Giles, William Jefferson, jr.	At large (Pres.)	June 21, 1927	18	4	5	14
309	Gillespie, Thomas Evan	Arkansas	June 13, 1927	20	0	5	14
404	Gillette, Ralph Gorton	New York	June 14, 1927	19	8	5	14
205	Gimber, Harry Meeker Stuart, jr.	Pennsylvania	June 20, 1927	17	7	5	14
318	Gould, Frank Gardner	Florida	June 15, 1927	19	11	5	14
393	Graham, Donald Stuart	Minnesota	June 14, 1927	19	3	5	14
228	Grant, James Dorr	Ohio	July 14, 1927	19	3	5	0
132½	Gray, Albert Downing	Pennsylvania	June 20, 1927	17	5	3	2
251	Gray, Hugh Douglas	Alaska	June 14, 1927	19	0	5	14
*29	Gray, Robert Lawrence	Alabama	June 15, 1927	18	11	5	14
406	Greathouse, John Furman	Texas	June 20, 1927	19	11	3	2
*23	Greene, George Myron	Arizona	July 2, 1927	18	4	5	14
58	Greene, Thomas Jethro	Iowa	June 15, 1927	19	4	5	14
314	Grinstead, Loren	Washington	July 15, 1927	17	3	5	14
61	Guilbert, Edward Hunt	Illinois	June 20, 1927	17	9	5	14
101	Gurnette, Byron Lawrence	California	June 15, 1927	17	11	5	14
115	Hagberg, Oscar Emil	West Virginia	June 14, 1927	18	6	4	2

third year of their academic course, 454 members, June, 1930—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineer- ing and aeronautics	Mathe- matics	Electrical engineer- ing and physics	Lan- guages	Aptitude for service	Aggre- gate third year
Maximum								
24	24	48	56	36	48	16	48	300
18.48	18.18	35.94	40.82	24.84	35.80	10.44	39.60	224.10
20.10	18.66	38.28	42.58	26.64	38.16	12.36	42.36	239.14
18.18	18.06	39.60	40.20	27.63	44.04	11.28	40.32	239.31
20.94	18.00	38.64	37.50	30.15	39.68	12.60	37.92	235.43
20.76	20.10	39.24	44.92	29.34	39.80	13.44	37.68	245.28
18.66	18.06	36.72	44.56	29.70	37.96	11.68	38.52	235.86
19.02	19.50	36.06	41.34	26.10	37.20	12.40	41.28	232.90
19.62	19.62	39.30	41.96	30.60	42.84	13.36	39.36	246.66
21.06	20.04	39.60	43.20	30.24	38.84	12.68	42.00	247.66
19.50	18.12	36.18	41.28	25.92	37.12	12.40	42.24	232.76
20.34	18.30	38.22	43.08	27.90	38.24	11.96	42.36	240.40
19.80	17.58	38.04	39.16	29.43	35.88	14.64	42.96	237.49
21.90	20.94	41.88	47.38	26.91	42.00	14.20	39.12	254.33
20.88	20.94	40.62	46.20	30.06	40.36	15.56	43.20	257.82
16.74	17.64	31.98	40.38	23.22	33.76	11.20	39.48	214.40
21.24	20.16	40.02	43.98	28.98	41.72	13.00	39.48	248.58
22.50	22.14	40.08	48.04	27.99	41.40	13.80	39.72	255.67
18.42	18.00	37.68	39.56	28.26	36.00	13.04	39.96	230.92
19.68	17.76	34.56	39.82	25.29	37.40	12.88	42.96	230.35
20.82	20.58	37.26	42.98	27.18	34.68	11.00	41.76	236.26
18.90	18.42	35.58	39.14	25.92	38.88	11.64	39.60	228.08
20.64	18.84	38.64	41.56	29.70	39.72	15.32	37.92	242.34
20.82	19.56	40.86	44.62	25.38	38.20	11.84	43.08	244.36
18.54	17.40	33.00	39.26	23.76	33.24	10.60	39.36	215.16
18.48	18.12	34.38	39.24	24.21	35.48	11.52	42.48	223.91
19.02	18.06	38.10	42.42	27.27	39.04	11.16	39.12	234.19
21.66	21.48	40.14	46.84	30.42	41.04	14.04	42.00	257.62
21.12	21.36	41.64	46.38	34.11	42.76	12.60	41.40	261.37
20.46	20.76	37.14	42.32	25.20	38.32	11.60	39.96	235.76
21.72	20.88	41.28	47.02	29.88	39.72	13.48	42.36	256.34
19.86	19.14	35.52	41.14	25.47	35.12	11.40	43.08	230.73
17.70	16.08	33.12	38.72	24.03	35.72	10.76	37.44	213.57
19.26	18.60	35.64	42.14	25.65	37.12	11.56	37.80	227.77
20.46	19.92	37.92	44.26	27.45	37.16	12.96	40.08	240.21
19.44	18.30	36.54	43.76	25.92	37.12	12.40	39.96	233.44
21.18	19.86	38.82	46.56	31.05	40.52	12.04	40.92	250.95
18.84	18.66	34.02	41.14	25.92	34.88	11.64	39.60	224.70
20.64	18.42	35.46	39.38	25.74	36.44	13.08	35.40	224.56
17.46	19.20	34.68	41.26	24.57	34.44	10.96	42.72	225.29
18.42	18.60	32.28	39.54	24.03	33.88	11.92	36.48	215.15
20.58	19.68	38.52	41.72	26.82	34.96	12.40	39.72	234.40
18.48	17.10	39.42	37.26	26.91	34.84	10.64	40.08	224.73
18.18	18.48	33.42	39.80	23.94	32.40	11.08	39.00	216.30
18.84	18.78	37.50	40.70	26.64	38.76	11.92	39.48	232.62
18.90	18.90	39.54	42.76	27.45	37.64	12.60	43.32	241.11
18.48	17.94	36.18	40.18	26.64	37.84	11.68	41.52	230.46
21.84	21.90	40.86	48.60	30.51	40.88	12.28	40.44	257.31
18.24	17.76	32.34	39.46	25.20	33.76	11.52	36.60	214.88
21.00	21.30	43.08	46.48	31.50	42.68	12.72	39.12	237.88
20.58	21.54	39.00	47.98	29.43	41.24	12.28	40.56	252.61
19.26	16.92	33.60	39.96	24.48	36.12	14.24	40.44	225.02
19.62	20.40	40.08	45.66	31.23	41.88	12.64	39.60	251.11
20.94	20.22	40.86	43.78	29.61	39.12	12.60	38.52	245.65
19.98	19.98	37.38	43.48	27.45	37.24	13.36	44.16	243.03

Merit roll of the midshipmen of the present first class (class of 1931), for the

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
*46	Hain, Vernon Rex	Ohio	June 15, 1927	19	8	5	14
385	Hale, Henry Henderson	Indiana	do	19	11	5	14
278	Hall, Madison, jr.	Texas	June 21, 1927	16	4	5	14
296½	Hall, Norman	New York	June 15, 1927	17	9	4	11
276	Hamm, Mann	Texas	June 20, 1927	18	0	5	14
301	Hammond, Douglas Thompson	Arkansas	June 21, 1927	18	6	5	14
142½	Harper, John Frank, jr.	Maryland	June 20, 1927	18	3	5	14
*32	Hatton, George Anthony	Illinois	do	19	8	5	14
89	Hawk, Claude Vernon	Utah	July 1, 1927	17	6	5	14
380	Hawkins, Carson	Nevada	June 16, 1927	19	3	5	14
123	Hay, Richard Ross	Massachusetts	do	18	3	5	14
168	Head, Nelson Mead	Virginia	June 29, 1927	18	3	5	14
72	Heilig, Robert Bube	Pennsylvania	Aug. 18, 1927	17	4	5	14
*17	Hirschman, Maurice Wilhelm	Washington	June 20, 1927	19	9	5	14
304	Hill, Andrew Jewel, jr.	Missouri	June 27, 1927	17	8	5	14
227	Hogan, Thomas Wesley, jr.	Georgia	June 13, 1927	18	2	5	14
316	Holcomb, Banksom Taylor, jr.	Delaware	July 2, 1927	19	3	5	14
106	Holden, Harry Worden	Vermont	July 11, 1927	17	7	5	14
283	Hollingsworth, John Christie	Georgia	June 27, 1927	17	10	5	14
49	Hollister, William Wallace	Wisconsin	July 1, 1927	19	8	5	14
97	Holmes, Merrill Sylvester	Pennsylvania	June 23, 1927	18	0	5	14
246	Holtz, Arnold Henry	Wisconsin	June 20, 1927	18	5	5	14
*10	Holtzworth, Ernest Charles	West Virginia	do	19	5	4	6
*28	Hooper, Edwin Bickford	Massachusetts	Aug. 15, 1927	18	6	5	14
216	Howe, Charles Melville, III	P. A. 348 (Pres)	June 21, 1927	17	11	5	14
325	Hoye, Francis Wallace	Massachusetts	July 14, 1927	19	4	5	14
*41	Hudson, Lewis Cheatham, jr.	Mississippi	June 21, 1927	16	11	5	14
195	Hudson, Robert Edgar	Oklahoma	do	16	3	5	14
365	Huff, George Perry	California	July 5, 1927	19	3	5	14
260	Hughes, John Nelson	Iowa	June 21, 1927	17	7	5	14
247	Hughes, William Christopher, jr.	Missouri	June 28, 1927	17	5	5	14
f131	Hunt, Richard Field, jr.	Massachusetts	June 16, 1927	19	0	5	0
108½	Hunter, Raymond Paul	Texas	June 20, 1927	18	5	3	2
224	Hunter, William Adair, jr.	Pennsylvania	June 16, 1927	18	1	5	14
207	Huntley, John David	Ohio	June 14, 1927	19	6	5	14
274	Irons, Alden Hatheway	Delaware	July 13, 1927	16	11	5	3
279	Iverson, Clifton	Minnesota	July 5, 1927	18	11	5	14
373	Jacobs, Raymond Halford	Michigan	July 6, 1927	16	3	5	14
115	Janz, Clifford Thurston	New Jersey	June 21, 1927	17	4	5	14
285	Jensen, Marvin John	Wisconsin	June 14, 1927	18	11	5	14
223	Jett, Charles Melbourne	Indiana	June 30, 1927	19	10	5	14
194	Johnsen, William Harry	Iowa	June 15, 1927	20	1	5	14
197	Johnson, Harlan Thode	Oklahoma	June 27, 1927	17	2	5	14
397	Johnson, Willis Ormond	Illinois	June 15, 1927	17	8	4	2
398	Jones, Alvin Arthur	Washington	Sept. 19, 1927	20	2	7	3
108½	Jones, Ashton Blair, jr.	Missouri	June 23, 1927	19	6	5	14
202	Jones, Charles Reed	Delaware	June 13, 1927	19	4	5	14
272	Jones, Robert Elinor Crowell	Michigan	June 29, 1927	20	1	5	14
310	Jones, Robert Francis	Minnesota	Aug. 29, 1927	18	9	5	14
419½	Jung, Karl Edward	New York	June 28, 1926	19	11	5	13
353	Just, John Frederick	Pennsylvania	June 23, 1927	16	10	5	14
362	Keithley, Charles Leon	Texas	Aug. 27, 1927	19	0	5	14
57	Keller, Albert James	Michigan	July 1, 1927	20	0	5	14
92	Kelsey, James Hiram, jr.	Massachusetts	July 11, 1927	17	1	5	14

third year of their academic course, 454 members, June, 1930—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineering and aeronautics	Mathe- matics	Electrical engineer- ing and physics	Lan- guages	Aptitude for service	Aggre- gate third year
Maximum								
24	24	48	56	36	48	16	48	300
21.84	20.70	42.42	45.48	28.08	42.40	12.44	41.76	255.12
18.75	19.56	35.04	40.32	24.57	33.64	10.76	34.32	216.99
18.12	17.70	38.28	39.52	27.09	36.76	11.80	39.12	228.39
18.84	18.12	34.62	41.58	23.94	34.88	11.80	42.48	226.26
19.02	19.68	34.32	40.44	25.47	36.16	11.72	41.64	228.45
19.56	18.12	35.10	39.96	24.39	34.84	11.40	42.60	225.97
19.44	19.62	38.22	43.06	27.81	40.36	12.24	38.88	239.63
20.82	19.38	42.06	45.32	31.05	42.44	14.28	41.76	257.11
20.28	20.34	39.18	43.02	28.53	40.48	12.92	42.00	246.75
18.42	17.64	34.38	38.34	24.75	32.72	10.80	40.80	217.85
18.90	17.46	36.90	43.12	27.18	44.32	12.64	41.76	242.28
19.98	19.80	37.56	41.08	28.89	36.88	12.00	41.52	237.71
20.04	19.92	39.90	43.00	29.97	42.20	12.32	41.64	248.99
21.72	21.06	42.06	46.48	30.06	42.44	12.80	41.16	260.78
19.68	18.36	34.74	40.50	25.11	34.12	11.92	41.28	225.71
20.58	19.68	34.56	40.92	25.83	36.00	11.64	43.44	232.65
18.60	18.42	36.36	39.44	23.49	36.12	11.64	40.80	224.87
20.64	20.16	38.28	44.70	27.63	38.48	14.32	40.32	244.53
20.88	18.90	34.80	40.68	24.03	35.72	11.28	41.40	227.69
20.94	21.42	41.94	47.00	28.26	39.16	13.64	42.00	254.36
21.78	20.58	41.64	42.54	28.35	41.40	13.08	36.84	246.21
19.98	18.00	36.96	41.68	25.38	35.48	12.56	40.80	230.84
21.06	21.24	42.24	47.42	31.68	41.88	13.72	42.96	262.20
21.42	21.12	41.22	47.12	30.51	41.28	13.28	41.52	257.47
18.96	19.68	39.00	41.38	26.28	38.60	11.12	38.52	23.54
19.62	18.30	33.66	39.34	25.20	36.72	12.80	38.52	224.16
21.96	21.12	39.36	47.66	30.42	41.88	13.36	40.08	255.84
18.18	18.72	36.96	44.04	27.81	37.68	11.40	40.32	235.11
17.64	17.46	34.86	39.62	26.91	35.96	11.12	36.12	219.69
19.14	17.64	36.84	41.68	25.92	35.32	13.20	40.08	229.82
21.06	18.84	34.86	41.44	23.76	41.48	10.84	38.52	230.80
20.82	18.66	40.14	38.72	33.12	38.40	12.52	38.88	241.26
20.10	20.22	39.84	45.30	25.92	36.88	12.08	43.68	244.02
19.68	19.08	37.32	43.58	25.83	36.64	11.48	39.36	232.97
20.52	18.84	34.38	40.26	28.26	39.52	11.72	40.80	234.30
20.34	18.96	36.36	39.94	27.36	38.88	11.40	35.28	228.52
19.20	18.06	35.16	42.10	25.65	37.40	11.36	39.24	228.17
18.30	18.66	36.00	38.04	25.38	34.52	11.96	37.32	218.38
21.30	21.30	38.34	45.20	27.09	36.72	13.36	39.72	243.03
19.86	18.24	36.12	40.68	26.10	35.76	11.68	39.12	227.56
20.52	19.92	36.12	42.52	26.73	36.40	12.32	38.52	233.05
19.68	19.08	37.20	41.84	28.17	37.20	11.56	40.56	235.29
20.34	19.02	36.48	41.18	26.55	40.00	11.04	40.44	235.05
18.30	17.64	32.58	37.98	24.30	34.64	11.16	39.48	216.08
19.86	18.00	31.80	40.26	22.95	32.32	10.84	39.72	215.75
19.20	20.34	37.38	42.70	31.50	43.24	11.16	38.64	244.16
20.88	17.16	38.76	41.58	27.36	37.24	12.12	39.48	234.58
20.04	20.46	33.24	42.72	23.76	56.01	11.72	40.68	228.66
18.60	17.76	34.32	39.12	24.75	34.92	11.72	44.04	225.23
17.40	17.52	31.74	38.56	23.40	32.04	10.76	40.44	211.86
18.84	17.04	35.28	38.00	25.11	35.40	12.24	39.60	221.51
18.00	18.30	33.66	38.86	26.28	33.56	11.40	40.32	220.38
21.48	20.46	41.94	46.78	29.07	41.60	12.60	39.24	253.17
21.72	19.56	40.92	44.20	28.62	39.60	12.40	39.60	246.62

Merit roll of the midshipmen of the present first class (class of 1931), for the

Order of general merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
250	Ketchum, Gerald Lyle.....	Washington.....	June 27, 1927	18	7	5	14
130 ^{1/2}	Kiehlbauch, Joseph Vaughn.....	South Dakota.....	June 15, 1927	19	0	3	2
423	King, Billy Woodruff.....	Texas.....	Aug. 1, 1927	19	1	5	14
331	King, Robert Donovan.....	Indiana.....	June 16, 1926	18	10	5	14
188	King, Victor Albert.....	Massachusetts.....	June 13, 1927	19	2	5	14
426	Kinzie, Frederick Abraham.....	Kansas.....	June 21, 1927	19	2	5	14
140	Kirkpatrick, Charles Cochran.....	Texas.....	June 30, 1927	20	0	5	14
270	Kirkpatrick, Charles Eugene.....	Utah.....	June 20, 1927	18	5	5	0
263	Kirkpatrick, John Elson.....	Oklahoma.....	June 21, 1927	19	4	5	14
174	Klein, Millard Jefferson.....	Tennessee.....	June 24, 1927	17	11	5	14
*4	Kollock, Frederick Nash, jr.....	New York.....	June 20, 1927	18	5	1	21
51	Kunkle, George Owen.....	Indiana.....	July 1, 1927	17	6	5	14
152	Kurtz, Thomas Richardson, jr.....	At large (Pres.).....	June 13, 1927	17	11	5	14
614 ^{1/2}	Lamb, Joseph Bentley.....	Mississippi.....	June 16, 1927	18	4	2	21
181	Langdon, Richard Henry.....	Illinois.....	June 13, 1927	19	0	5	14
257	Larson, Harold Isidor.....	Minnesota.....	June 30, 1927	19	2	5	14
193	Lawrence, Sidney Jack.....	New York.....	June 14, 1927	18	7	5	3
*12	Lay, James Thomas.....	Missouri.....	do.....	18	5	5	14
85	Lefavour, William Robert.....	Massachusetts.....	June 13, 1927	17	7	5	14
198	Leon, Harry Stanley.....	do.....	do.....	19	6	5	14
299	Leverton, Joseph Wilson, jr.....	Maryland.....	July 5, 1927	18	5	5	14
105	Lewellen, Bafford Edward.....	Minnesota.....	June 23, 1927	17	9	5	0
231	Lief, Sam Albert.....	Missouri.....	June 14, 1927	19	7	5	14
292	Lillis, Burton Cook, jr.....	Montana.....	June 21, 1927	18	1	5	14
107	Lizberg, Carl Alfred.....	Oregon.....	June 16, 1927	19	4	5	14
99	Lockwood, Robert Elmore.....	Massachusetts.....	Aug. 23, 1927	19	2	5	14
351	Longton, Ernest William.....	Pennsylvania.....	June 15, 1927	19	1	4	2
220	Lucas, Carlton Charles.....	Indiana.....	do.....	19	10	5	14
366	Lyon, Hylan Benton.....	Kentucky.....	June 13, 1927	17	4	5	14
375	Lytle, Eugene Smith, jr.....	Missouri.....	June 21, 1927	18	1	5	14
95	MacDonald, Donald John.....	Pennsylvania.....	June 15, 1927	18	11	5	14
69	MacKenzie, George Kenneth, jr.....	New York.....	July 19, 1927	17	2	5	14
387	Mackert, Robert William.....	Illinois.....	June 29, 1927	19	10	5	14
147	Madden, George Bernard.....	California.....	June 14, 1927	18	4	5	14
315	Maloney, John Laurence.....	New York.....	do.....	19	1	5	14
229	Marshall, Elliott Eugene.....	Maine.....	June 13, 1927	19	3	5	14
407	Martin, Marshall Tevis.....	Indiana.....	June 21, 1927	17	9	5	14
373	Massey, Forsyth.....	Kansas.....	June 15, 1927	20	0	5	14
360	Massingill, Russell Lawton.....	Florida.....	June 16, 1927	19	8	5	14
273	Mathews, Jerry Antle, jr.....	Indiana.....	July 5, 1927	17	7	5	14
*18	McAfee, Jesse Stuart.....	Texas.....	June 27, 1927	17	6	5	14
150	McAllister, Frank Chambers, jr.....	Mississippi.....	June 13, 1927	19	7	5	14
371	McCain, John Sidney, jr.....	At large (Pres.).....	June 21, 1927	16	5	5	14
328	McCracken, James Dudley.....	Illinois.....	June 15, 1927	19	10	4	16
356	McCracken, Reginald Rudolph.....	Iowa.....	do.....	18	11	5	14
308	McCuddy, William Ross.....	Kentucky.....	do.....	18	0	5	14
166	McDonald, Edwin Anderson.....	Oregon.....	June 30, 1927	19	7	5	14
425	McFarlane, Douglas James.....	Wisconsin.....	Sept. 1, 1927	18	11	4	11
391	McKaig, William Vaughn.....	New Jersey.....	June 16, 1927	18	7	5	14
317	McKay, Baxter Morrison.....	Florida.....	June 21, 1927	17	5	5	14
55	McKee, Francis Alvin.....	Ohio.....	June 20, 1927	19	6	5	14
113	McKinney, Charles William.....	Indiana.....	June 13, 1927	18	11	5	14
170	McMahon, Bernard Francis.....	Ohio.....	July 18, 1927	19	11	5	14
311	McManus, George Boles.....	Connecticut.....	Aug. 5, 1927	17	2	5	14

third year of their academic course, 454 members, June, 1930—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineering and aeronautics	Mathem- atics	Electrical engineering and physics	Lan- guages	Aptitude for service	Aggre- gate third year
Maximum								
24	24	48	56	36	48	16	48	300
19.68	18.78	36.42	40.48	25.92	37.04	11.36	41.04	230.72
20.40	18.54	40.80	41.20	29.97	40.32	12.08	38.26	241.57
17.40	17.34	32.10	37.82	22.86	32.44	11.20	39.72	210.88
20.28	19.62	33.78	40.96	24.57	34.60	11.12	39.00	223.93
18.48	17.94	38.94	38.78	28.62	40.00	13.00	39.84	235.60
17.52	17.16	31.98	37.54	24.48	32.88	10.72	38.40	210.68
20.22	19.14	35.94	45.22	28.80	38.28	11.88	40.56	240.04
19.56	18.12	35.04	41.80	26.91	34.72	11.32	41.28	228.75
18.06	18.90	36.06	40.46	27.09	36.36	11.00	41.64	229.57
19.08	20.70	37.86	42.48	28.89	38.68	11.92	37.44	237.05
21.66	20.82	42.12	47.70	33.48	43.44	13.80	42.12	265.14
21.72	20.70	41.28	43.72	31.05	42.20	12.36	41.04	254.07
20.34	18.90	37.98	43.84	28.62	37.76	12.16	38.88	238.48
20.52	20.16	39.84	42.36	26.46	39.48	12.12	38.52	239.46
20.52	18.90	34.44	42.36	29.34	36.76	12.24	41.40	235.96
19.56	18.78	34.20	41.98	25.02	37.32	11.88	42.24	230.08
19.68	19.02	36.84	44.06	25.47	37.84	12.80	39.60	235.31
21.84	21.30	43.92	46.02	31.14	44.24	13.08	40.56	262.10
21.72	19.74	38.52	44.84	27.90	40.12	14.16	39.96	246.96
19.32	18.66	36.24	41.46	26.46	40.16	12.04	40.68	235.02
20.46	18.60	33.84	38.40	25.38	34.60	11.84	42.96	226.08
21.06	20.70	38.94	44.66	27.27	39.24	13.60	39.12	244.59
18.84	19.44	38.94	41.06	25.65	36.56	11.20	40.80	232.49
19.32	18.90	34.32	42.00	25.11	35.60	11.52	39.96	226.73
21.24	20.40	38.64	42.58	28.89	40.36	14.00	38.40	244.51
22.56	19.74	40.80	41.88	28.17	40.52	13.48	38.76	245.91
17.10	17.94	35.88	38.86	24.93	34.64	11.76	40.68	221.79
19.68	18.60	36.66	41.64	26.37	35.92	11.16	43.32	233.35
18.12	17.52	33.96	39.02	24.75	35.04	10.88	40.20	219.49
18.18	17.76	33.24	38.46	24.03	34.20	10.92	41.52	218.31
21.60	20.82	39.00	45.66	26.82	38.68	12.72	41.04	246.34
21.78	20.40	40.74	47.12	25.92	38.00	13.00	42.36	249.32
18.54	16.38	34.14	37.44	25.20	33.92	11.48	39.72	216.82
22.32	20.52	36.84	44.90	26.91	38.80	12.40	36.48	239.17
19.50	18.54	35.40	39.60	26.37	34.60	11.68	39.24	224.93
22.02	19.56	36.12	40.96	25.92	36.20	12.56	39.24	232.58
17.52	17.70	33.84	37.98	23.67	32.84	11.00	40.32	214.87
18.36	18.12	36.12	39.42	23.04	33.44	11.36	38.52	218.38
17.46	17.04	36.36	38.44	24.66	37.00	10.76	38.88	220.60
19.02	18.60	36.60	40.24	27.45	36.64	12.44	37.56	228.55
22.02	20.64	41.16	46.72	31.77	42.56	15.12	40.32	260.31
19.86	20.28	38.34	41.02	27.45	38.04	12.52	41.40	238.91
19.26	19.62	34.62	40.28	24.39	33.76	10.64	36.00	218.57
19.08	19.08	34.68	39.80	24.39	35.60	11.80	39.60	224.03
18.42	17.82	34.86	39.00	25.65	33.56	10.92	41.04	221.27
18.60	17.34	35.64	39.58	27.99	35.80	11.12	39.48	225.55
20.10	20.22	37.08	42.96	27.00	38.28	12.08	40.08	237.80
17.16	15.90	31.50	38.92	23.94	33.68	10.72	38.88	210.70
17.88	17.82	33.60	38.58	25.83	33.08	11.28	38.40	216.47
20.34	18.60	33.90	39.80	25.56	34.92	12.24	39.48	224.84
21.06	20.88	40.56	45.84	30.51	40.08	13.32	41.28	253.53
21.18	20.10	37.02	45.48	27.45	38.64	12.32	41.16	243.35
21.12	20.10	36.78	42.80	28.98	38.56	11.44	37.80	237.58
18.12	18.06	36.00	39.62	26.10	38.24	11.36	37.68	225.18

Merit roll of the midshipmen of the present first class (class of 1931), for the

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admis- sion		Sea service in prac- tice ships	
				Years	Months	Months	Days
230	Meola, Vincent James	Rhode Island	June 20, 1927	18	11	5	14
*44	Merkle, Francis Baldwin	Ohio	June 15, 1927	19	9	5	14
222	Metsger, Alfred Bowne	New Jersey	June 28, 1927	16	8	5	14
143	Miles, Lion Tyler	Virginia	June 15, 1927	17	4	5	14
401	Miller, Justin Albert	Montana	June 14, 1927	17	8	5	14
82	Miller, Norman Mickey	North Carolina	June 30, 1927	19	5	4	2
119	Miner, John Odgers	Missouri	June 14, 1927	16	11	5	14
*31	Moeller, Henry George	Nebraska	Aug. 8, 1927	19	4	5	14
428	Molumphy, George Garvie	Connecticut	June 30, 1927	19	4	5	14
293	Moore, John Robert	Ohio	June 28, 1927	19	7	5	14
173	Moore, Luther Samuel	Massachusetts	June 17, 1927	19	9	5	14
432	Moring, William Edwin	Mississippi	June 22, 1926	17	7	5	0
395	Morris, Daniel Small	California	June 29, 1927	19	10	5	14
434	Morrow, Charles Allison, Jr.	Maryland	June 15, 1927	18	0	5	14
164	Morrow, William John, jr.	Pennsylvania	June 14, 1927	18	11	5	14
392	Moses, McDonald	At large (Pres.)	June 16, 1926	16	6	8	8
347	Moss, Clifton Revell	Indiana	June 16, 1927	19	1	5	14
339	Motes, Jesse Hogan, jr.	South Carolina	June 20, 1927	19	9	5	14
338	Mothersill, Philip Wilder, jr.	Colorado	Sept. 13, 1926	19	3	11	2
368	Mott, Carleton Edgar	Connecticut	June 15, 1927	19	2	5	14
*21	Moulton, Horace Douglass	Kansas	June 21, 1927	17	9	5	14
93	Mullins, Henry, jr.	South Carolina	do	19	5	5	14
*25	Munford, Stanley	New Jersey	June 16, 1927	19	5	5	14
369	Murphy, James Albert	Texas	June 21, 1927	20	3	5	0
333	Myer, John Aden	Kansas	do	18	10	5	14
386	Myers, Horace	Idaho	June 15, 1927	19	3	4	16
359	Myhre, Floyd Bertram Thomas	Minnesota	June 21, 1927	20	2	5	14
*43	Needham, Ray Cannon	Utah	June 29, 1927	18	10	5	14
384	Nelson, Raymond Henry	California	July 1, 1927	20	2	5	14
192	Nelson, Samuel Edward	Pennsylvania	June 18, 1927	18	10	5	14
429	Nelson, Samuel Tyler, jr.	Montana	June 30, 1927	19	3	5	14
408	Nolan, Rathel Linwood, jr.	Mississippi	June 29, 1927	18	9	5	14
424	Norvell, William Clanton	Georgia	June 30, 1927	19	5	5	14
302	O'Brien, Joseph Emmett	Montana	June 16, 1927	18	3	5	14
418	O'Connor, Michael Galligan	Louisiana	June 13, 1927	16	8	5	14
364½	O'Neill, Edward Joseph	New York	July 15, 1927	19	3	5	14
211	O'Toole, James Michael	West Virginia	June 20, 1927	19	11	5	14
248	Owens, Seymour Dunlop	At large (Pres.)	June 13, 1927	17	4	5	14
242	Palmer, Charles Keith	South Carolina	June 21, 1927	17	9	5	14
261	Pancake, Lee Sylvester	Montana	June 15, 1927	20	2	5	14
252	Parham, John Calhoun, jr.	At large (Pres.)	June 13, 1927	19	3	5	9
*13	Parker, Robert Elmer	Pennsylvania	June 21, 1927	18	1	5	14
422	Parsons, William King	Nevada	July 11, 1927	18	1	5	14
360	Payne, Thomas Benjamin	Virginia	June 20, 1927	18	0	5	14
*20	Payson, Harold, jr.	At large (Pres.)	Sept. 19, 1927	18	8	5	14
370	Pearce, Hepburn Alcott	Massachusetts	June 29, 1927	19	6	5	14
88	Peckham, George Edward	Iowa	June 17, 1927	18	7	5	14
956	Peery, George Atwood	Virginia	June 21, 1927	19	11	2	21
370	Peters, Francis Marion, jr.	West Virginia	June 15, 1927	19	5	5	14
127	Peters, James McClellan	Louisiana	June 13, 1927	16	10	5	14
379	Peterson, Richard Ward	Minnesota	June 21, 1927	18	6	4	2
363	Phifer, Thomas Carson	South Carolina	June 20, 1927	18	7	5	14
*40	Pierce, Ransom Ailan	Arkansas	June 14, 1927	18	4	5	14
323	Porter, Samuel Henry	Pennsylvania	June 16, 1926	18	4	8	8

third year of their academic course, 454 members, June, 1930—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineering and aeronautics	Mathem- atics	Electrical engineer- ing and physics	Lan- guages	Aptitude for service	Aggre- gate third year
Maximum								
24	24	48	56	36	48	16	48	300
19.32	18.42	35.46	41.72	25.74	38.12	14.48	39.24	232.50
21.66	21.30	40.56	46.50	29.61	40.32	14.24	41.28	255.47
18.72	18.42	37.80	40.92	30.69	39.84	11.48	35.28	233.15
20.04	18.54	39.54	41.66	27.72	39.20	13.20	39.72	239.62
16.74	16.38	34.62	38.02	25.56	33.64	11.04	39.36	215.36
20.76	19.74	38.94	44.54	30.06	39.20	13.00	40.92	247.16
19.68	20.34	38.46	44.28	29.34	36.40	12.76	41.52	242.78
22.50	20.88	41.22	46.22	28.98	42.28	14.28	40.80	257.16
17.82	16.02	31.56	37.78	23.40	31.88	10.84	40.80	210.10
19.20	17.46	38.46	38.30	25.74	35.12	11.60	40.80	226.68
20.58	19.14	40.02	41.98	24.84	35.88	11.64	43.08	237.16
16.74	16.98	32.88	38.32	22.95	32.52	10.00	37.56	207.95
19.20	16.86	31.68	39.10	25.02	32.72	11.20	40.44	216.22
16.02	15.36	31.32	36.86	23.67	31.48	10.80	36.60	202.11
18.90	18.12	37.68	42.10	27.54	38.76	13.40	41.40	237.90
19.38	18.48	32.64	39.52	22.95	31.64	12.16	39.60	216.37
21.00	17.94	33.24	39.44	24.39	34.80	12.04	39.72	222.57
17.82	18.96	33.00	42.36	24.48	35.64	11.32	39.48	223.06
18.90	17.94	36.24	37.20	26.46	32.92	13.00	40.56	223.22
19.50	18.24	33.12	39.68	25.47	33.80	13.08	36.36	219.25
21.12	20.58	42.18	46.76	29.97	42.20	12.88	43.08	258.77
21.06	20.52	38.16	42.64	30.33	42.00	11.64	40.20	246.55
22.32	21.60	41.22	47.36	29.52	42.68	12.32	40.68	257.70
18.00	16.50	33.00	38.88	24.48	35.48	12.40	40.20	218.94
20.22	18.36	32.94	40.32	24.66	34.88	11.00	41.52	223.90
17.04	15.96	35.22	38.10	26.10	34.00	10.84	39.72	216.98
18.54	18.30	33.78	38.98	24.12	34.12	11.96	41.16	220.96
20.40	20.94	42.00	45.36	30.60	40.96	12.40	42.96	255.62
17.82	17.40	33.12	38.58	25.38	34.76	10.68	39.48	217.22
19.68	18.12	36.66	41.06	27.54	39.96	11.80	40.56	235.38
18.24	16.44	33.60	37.92	24.57	33.44	10.68	35.04	209.93
17.46	17.16	33.78	38.24	24.03	33.88	10.92	39.00	214.47
17.10	16.20	31.62	37.32	23.94	31.88	11.84	40.92	210.82
19.44	19.38	33.72	40.56	25.83	35.60	11.28	40.08	225.89
18.66	17.70	33.72	38.26	24.39	32.44	10.92	36.00	212.09
17.82	17.10	34.92	39.50	26.19	34.68	11.96	37.80	219.97
20.40	18.36	36.30	41.86	27.54	37.96	11.64	40.08	234.14
20.40	18.06	36.06	41.90	26.28	37.28	12.04	38.76	230.78
20.34	19.02	37.14	41.62	24.12	36.44	11.76	40.92	231.36
19.14	17.76	33.00	43.50	26.55	37.68	11.96	40.08	229.67
21.18	20.10	36.30	42.18	24.93	35.28	11.52	38.88	230.37
21.60	21.48	41.64	48.96	32.22	42.20	12.72	41.16	261.98
16.86	16.44	33.12	36.88	23.85	33.28	10.40	40.44	211.27
17.94	16.80	35.52	40.16	25.38	36.04	10.84	37.92	220.60
22.26	19.98	40.86	46.06	30.69	42.40	14.20	43.56	260.01
18.00	17.10	32.40	39.60	23.13	38.88	11.56	38.16	218.83
21.18	20.64	37.98	46.32	29.70	38.72	11.76	40.56	246.86
21.90	20.46	41.16	44.18	30.69	42.60	12.20	40.08	253.27
18.54	17.10	38.70	38.68	25.11	33.64	10.76	39.60	222.13
21.06	19.14	39.12	40.96	29.25	37.60	12.80	41.88	241.81
17.28	17.22	32.94	38.52	25.11	33.52	11.24	42.12	217.95
18.78	17.88	34.44	40.14	23.76	34.16	11.44	39.72	220.32
20.46	20.28	41.82	43.74	32.13	42.64	12.16	42.84	256.07
17.40	17.88	36.72	38.02	26.73	36.00	10.80	40.80	224.35

Merit roll of the midshipmen of the present first class (class of 1931), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
414	Pottinger, William Knowles	Texas	June 20, 1927	18	3	5	14
*14	Powell, George Neff	Pennsylvania	July 29, 1927	18	3	5	14
117	Powell, Peter George, jr.	Kentucky	June 15, 1927	17	8	5	14
*11	Prescott, John Guthrie Foster	California	June 14, 1927	18	5	5	14
159	Putnam, Frank Rowell	Minnesota	June 13, 1927	18	11	5	14
221½	Quilter, Edward Simon	New York	July 11, 1927	17	10	5	14
90	Railsback, Edward Forrest	Kansas	July 9, 1927	19	4	5	14
100	Ramage, Lawson Peterson	Vermont	June 20, 1927	18	5	5	14
126	Raysbrook, Frank George	Pennsylvania	June 15, 1927	18	5	5	14
*5	Reed, Allan Lorentz	Arkansas	June 13, 1927	19	1	5	14
288	Reese, John Spencer	New York	June 29, 1927	18	10	5	14
73	Renken, Henry Algernon	Virginia	June 21, 1927	19	4	5	14
112	Reynolds, James Richard Zinck	Tennessee	July 6, 1927	18	6	5	14
298	Richardson, Alvin Franklin	Mississippi	Sept. 19, 1927	20	5	5	14
399	Ritchie, Clark Alexander	New York	June 14, 1927	19	3	5	14
*1½	Rivero, Horacio, jr.	Porto Rico	June 20, 1927	17	1	4	11
*47	Robbins, Berton Aldrich, jr.	Massachusetts	June 22, 1927	18	10	5	14
141	Robertson, Edward Livingston, jr.	New York	July 5, 1927	17	9	5	14
*20½	Roeder, Bernard Franklin	Illinois	June 15, 1927	16	4	5	14
169	Roessler, Anthony Carroll	Ohio	June 21, 1927	18	6	5	14
*7	Rogers, Thomas Woodson	Wisconsin	Aug. 30, 1927	19	3	5	14
*16	Romberg, Albert Kenneth	Iowa	June 15, 1927	19	2	5	14
290	Roscoe, David Livingston, jr.	At large (Pres.)	June 13, 1927	19	9	5	14
*27	Russell, Harold Berton	Michigan	do	19	2	5	14
209	Ryon, William Mendenhall	Pennsylvania	June 29, 1927	19	3	5	14
383	Sampson, Robert Roy	Connecticut	June 13, 1927	20	0	5	14
394	Sanns, Nickolas James	New Jersey	June 15, 1927	17	4	5	14
76	Schoeni, Walter Paul	Oregon	June 14, 1927	19	3	4	0
70	Schultz, George Franklin	Indiana	June 15, 1927	19	3	5	14
341	Scrivner, Frank Herman	Texas	July 1, 1927	18	9	5	14
416	Seidel, Harry Edward, jr.	Maryland	July 5, 1927	17	11	5	14
171½	Sell, Charles Francis	Pennsylvania	June 16, 1927	17	11	5	14
346	Shaffer, Leland Griffith	do	June 21, 1927	18	4	5	14
104½	Sharp, Alfred Elliott, jr.	Maryland	do	18	3	5	14
199	Shields, Ward Thornton	Pennsylvania	June 16, 1927	17	2	5	14
185	Shoemaker, Cassin Thomson	Ohio	June 14, 1927	18	6	4	20
219	Shuey, Clifford Henry	Illinois	June 30, 1927	19	2	5	14
176	Sieglaff, William Bernard	California	June 13, 1927	18	11	5	0
87	Sisko, William John	Michigan	June 21, 1927	19	11	4	2
367	Slater, Stanley John	Massachusetts	June 16, 1927	19	5	5	14
305	Smith, Andrew Jackson	New York	June 30, 1927	19	10	5	14
179	Smith, Curtis Everett	Mississippi	do	19	8	5	14
417	Smith, Julius Elbridge, jr.	Nevada	June 22, 1926	18	6	8	8
201	Smith, James Thomas	Tennessee	June 21, 1927	18	8	5	14
320	Smith, Norman Ernest	Wyoming	June 20, 1927	18	6	5	14
67	Smith, Ronald Kenneth	Iowa	June 22, 1927	18	5	5	14
237	Snow, John Lawrence	Alabama	June 15, 1927	18	1	5	14
155	Soucek, Victor H.	Oklahoma	July 15, 1927	18	10	5	14
389	South, Jerry Curtis, jr.	Arkansas	July 5, 1927	17	7	5	14
358	Stafford, Arthur Edward	Pennsylvania	June 21, 1927	19	4	5	14
74	Stauffer, Jack Bellamy	Colorado	June 20, 1927	18	0	5	14
236	Steel, Robert Justin	Delaware	June 22, 1927	19	1	2	21
68	Steele, Marcus Goldaine	California	June 30, 1927	17	7	5	14
139	Steere, Richard Clarke	Illinois	June 15, 1927	18	3	5	14

third year of their academic course, 454 members, June, 1930—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineer- ing and aeronautics	Mathe- matics	Electrical engineer- ing and physics	Lan- guages	Aptitude for service	Aggre- gate third year
Maximum								
24	24	48	56	36	48	16	48	300
18.00	17.46	31.62	36.52	25.20	33.48	11.00	40.08	213.36
22.50	21.18	40.56	48.38	29.70	42.48	13.76	43.32	261.88
20.52	20.34	38.76	43.20	26.55	40.12	11.68	41.64	242.81
22.32	20.70	42.30	47.98	31.32	42.96	14.88	39.72	262.18
19.92	19.20	36.72	42.58	27.54	39.52	11.68	41.16	238.32
19.50	17.40	39.24	39.48	26.46	37.56	14.20	39.36	233.20
21.60	20.34	38.40	43.96	30.96	38.64	11.72	41.04	246.66
21.30	21.24	38.70	44.48	27.63	38.28	12.48	41.76	245.87
19.92	20.28	36.12	42.74	26.73	39.84	12.84	43.56	242.03
22.14	22.50	43.26	48.68	30.24	42.64	14.96	40.44	264.86
18.18	17.28	34.44	38.88	27.90	40.76	11.32	38.52	227.28
21.24	20.58	38.28	46.30	28.89	39.24	12.24	42.12	248.89
20.34	19.86	39.48	42.58	28.08	42.16	11.36	39.72	243.58
19.32	18.54	34.44	40.58	23.58	35.60	11.84	42.24	226.14
16.68	16.14	34.62	37.28	24.21	35.60	11.20	39.84	215.57
22.56	22.26	43.80	49.94	32.67	42.88	16.00	43.08	273.19
22.02	20.94	41.40	45.06	29.88	39.16	13.80	42.84	255.10
20.76	19.20	38.34	42.86	27.36	37.72	14.84	38.76	239.84
21.96	21.30	43.20	45.50	32.04	42.68	13.08	39.24	259.00
20.64	19.20	38.64	41.42	26.55	38.76	11.76	40.68	237.65
21.36	21.24	42.96	44.96	34.56	43.16	12.24	42.36	262.84
21.72	21.06	42.90	46.64	31.23	42.64	12.44	42.36	260.99
20.52	19.44	33.66	42.34	24.39	34.44	11.68	40.44	226.91
21.00	21.12	42.18	45.46	30.96	41.60	13.72	41.52	257.56
19.44	19.56	35.82	41.30	28.89	36.60	11.80	40.80	234.21
19.02	16.86	34.02	38.34	24.48	34.16	11.24	39.12	217.24
18.12	18.72	32.34	38.50	24.12	35.04	11.04	38.40	216.28
21.72	19.14	41.22	44.56	26.64	39.04	12.40	43.92	248.64
19.68	20.52	40.14	41.24	31.59	39.80	13.48	42.84	249.29
18.30	17.64	32.94	39.98	26.64	33.88	13.64	39.84	222.86
17.58	17.22	33.42	38.80	24.39	32.88	12.28	36.00	212.57
20.34	19.14	37.38	44.68	24.57	38.32	13.76	38.76	236.95
19.62	18.48	34.26	39.32	24.75	34.56	11.04	40.56	222.59
19.92	19.98	37.56	41.16	29.07	41.44	12.36	43.32	244.81
19.44	18.90	35.82	39.98	27.54	38.56	13.00	41.64	234.88
18.96	18.12	38.82	41.24	27.99	39.80	11.68	39.12	235.73
20.22	19.56	35.28	41.98	26.73	35.96	12.64	41.04	233.41
19.38	19.20	36.36	43.44	27.09	37.56	11.04	42.60	236.67
21.00	21.30	39.00	47.52	28.26	36.56	12.92	40.32	246.88
18.30	18.18	35.04	40.58	24.12	35.00	11.60	36.48	219.30
19.26	18.00	34.98	39.04	25.74	35.40	11.76	41.52	225.70
19.38	19.86	36.06	42.84	30.78	36.92	11.32	39.24	236.40
17.76	16.62	32.16	37.88	24.39	33.36	11.20	39.00	212.37
20.70	19.62	36.96	42.72	24.75	37.68	12.48	39.72	234.63
18.30	18.66	31.68	43.06	24.84	37.76	11.08	39.24	224.62
21.72	20.70	39.30	43.60	29.97	38.84	12.28	43.32	249.73
19.38	19.56	34.92	44.48	25.65	37.04	12.28	38.76	232.07
21.72	20.16	34.98	41.04	27.99	38.08	12.52	41.88	238.37
17.94	18.36	35.22	38.10	23.31	33.56	11.60	38.64	216.73
17.22	16.80	35.76	38.88	26.64	36.52	11.04	38.16	221.02
20.82	20.34	38.70	45.88	28.71	39.40	14.00	40.80	248.65
19.02	17.76	38.22	39.68	27.63	37.12	11.92	40.92	232.27
20.58	19.20	39.48	45.64	28.98	40.72	13.84	41.28	249.72
20.76	18.54	35.88	41.26	28.98	38.96	14.08	41.64	240.10

Merit roll of the midshipmen of the present first class (class of 1931), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission		Sea service in practice ships	
				Years	Months	Months	Days
94½	Stefanides, Edward Frank, jr.	Wisconsin	June 22, 1927	19	0	3	2
238	Steinke, Frederic Samuel	Illinois	June 30, 1927	19	11	4	0
378	Stewart, Andrew Pat	Georgia	June 15, 1927	17	3	5	10
280½	Stewart, Walter Jones	New Jersey	June 30, 1927	19	7	5	14
w	Stieler, Roland Emil	Texas	June 20, 1927	20	3	2	21
94	Stone, George Roben	Michigan	July 14, 1927	17	8	5	14
291	Straub, Charles Teddy	Colorado	June 15, 1927	19	5	5	14
239	Stromback, Philip Christian	Pennsylvania	June 20, 1927	17	6	5	14
229½	Stuart, Daniel Alfriend	Virginia	Aug. 8, 1927	19	11	5	14
329	Swain, Joseph Blount	North Carolina	June 21, 1927	17	7	5	14
149	Swisher, Leonzo Nelson	Idaho	June 30, 1927	19	9	5	14
64	Tatom, Eugene	Florida	June 28, 1927	18	10	5	14
281	Taxis, Samuel Gibbs	Massachusetts	July 5, 1927	18	0	5	14
*19	Taylor, Robert Lee	Michigan	June 16, 1927	16	8	5	14
59	Tenney, Joseph Fosdick	Massachusetts	Aug. 10, 1927	16	11	5	14
111	Theobald, Robert Alfred, jr.	California	June 13, 1927	16	9	5	14
74	Thomas, Willis Manning	do	June 17, 1927	19	9	5	14
271	Thompson, Warren Ronald	South Dakota	July 5, 1927	19	11	5	14
157	Thorn, William Alvah	Maryland	June 13, 1927	19	10	5	14
232	Thornton, Joseph Thomas, jr.	New York	June 23, 1927	19	1	5	14
410	Todd, Donald Whiley	At large (pres.)	July 31, 1925	18	10	11	2
155	Torgerson, Theodore Adolph	Minnesota	June 21, 1927	20	1	4	2
430	Toth, Joseph Charles	New Jersey	June 20, 1927	20	0	4	2
427	Trenholme, Edward Pinder	Missouri	June 30, 1927	18	10	5	14
334	Tripi, Ignatius Nicholas	New York	June 15, 1927	19	2	5	14
240	Tucker, Alfred Bland, III	Virginia	June 23, 1927	17	6	5	14
*2	Tyra, Tom Donald	Minnesota	June 16, 1927	19	10	4	2
*36	Uehling, Gordon Alexander	Wisconsin	July 11, 1927	17	11	5	14
128	Van Mater, Schermerhorn	Indiana	June 21, 1927	18	1	5	14
158	Vaughn, Charles Samuel	Kentucky	July 14, 1927	19	10	5	14
*1	Veasey, Alexander Craig	New Jersey	June 13, 1927	18	10	5	14
128	Volk, Louis Frank	Indiana	June 15, 1927	18	2	5	14
286	Vredenburgh, James Brinckerhoff	Virginia	June 30, 1927	19	4	5	14
258	Wackwitz, Donald Newman	Massachusetts	do	19	4	5	14
w	Walker, Robert Power	California	Aug. 30, 1927	19	6	2	21
324	Wallace, Ford Llewellyn	Ohio	June 30, 1927	19	7	5	14
214	Walpole, Kinloch Chafee	Rhode Island	do	19	7	4	13
267	Warman, Nathaniel Ewing	Pennsylvania	June 16, 1927	19	10	5	14
*48	Weatherwax, Hazlett Paul	Hawaii	June 27, 1927	19	8	5	14
*32	Webster, John Alden	New York	June 14, 1927	18	2	5	14
313	Weiler, James Buchanan	Pennsylvania	June 16, 1927	18	5	5	14
121	Weir, Frederick Utter	Rhode Island	June 21, 1927	19	4	5	14
288	Werts, Charles Luther	Indiana	do	19	2	5	14
162	Wheland, Karl Raymond	Ohio	June 18, 1927	19	9	5	14
345	White, John Alexander	Indiana	June 21, 1927	18	3	5	14
381	White, Robb, III	Georgia	do	18	0	5	14
326	White, Zebulon Lewis, jr.	Texas	June 14, 1927	18	11	5	14
420	Wickens, Justin Leo	Indiana	June 14, 1926	19	10	8	8
336	Wier, Henry Robert	Massachusetts	June 27, 1927	18	11	5	14
296	Wieseman, Frederick Leonard	Wisconsin	July 2, 1927	19	4	5	0
205	Wilber, Donald Taylor	Michigan	June 27, 1927	18	0	5	14
185	Wilbur, Robert Milton	Missouri	June 13, 1927	17	1	5	14
292½	Will, Prentis King	New Jersey	June 15, 1927	19	7	5	14
102	Williams, George Kirtley	Utah	do	19	4	5	14
217	Williams, Henry, jr.	Virginia	June 13, 1927	17	0	5	14
275	Williams, Jack Bercaw	Pennsylvania	July 22, 1927	17	1	5	14

third year of their academic course, 454 members, June, 1930—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Naviga- tion	Engineer- ing and aeronautics	Mathe- matics	Electrical engineer- ing and physics	Lan- guages	Aptitude for service	Aggre- gate third year
Maximum								
24	24	48	56	36	48	16	48	300
20.40	19.50	38.82	44.30	29.43	39.44	12.08	42.48	246.45
20.52	18.30	36.00	40.14	25.47	37.36	12.84	41.40	232.03
18.78	18.84	32.52	39.66	23.67	33.12	11.96	39.60	218.15
17.94	17.28	36.06	40.64	27.18	38.00	10.84	40.08	228.02
(a)	18.30	34.26	41.26	26.28	(a)	10.44	39.96	Inc.
20.52	19.68	39.06	44.82	28.89	40.36	13.12	40.08	246.53
17.76	17.94	35.76	41.02	24.21	36.04	11.80	42.24	226.77
19.08	16.98	38.10	39.48	28.44	37.16	12.20	40.56	232.00
21.06	19.44	33.36	44.04	24.03	37.40	11.72	41.52	232.57
20.16	17.58	36.18	38.90	23.04	37.00	10.96	40.20	224.02
20.10	20.16	36.84	45.06	28.44	39.96	11.88	36.48	238.92
21.54	20.46	37.86	47.10	30.60	39.88	12.72	40.32	250.48
20.40	18.84	34.50	39.96	25.38	36.48	11.36	41.04	227.96
21.66	20.52	43.50	46.46	31.05	41.48	13.52	42.00	260.19
21.00	20.69	39.24	46.50	28.71	41.96	12.60	41.04	251.74
20.28	20.16	39.78	44.28	28.98	37.60	11.28	41.40	243.76
20.94	19.92	39.42	45.38	29.07	38.12	12.48	43.32	248.65
21.00	20.64	33.66	41.68	23.58	34.76	12.24	41.16	228.72
20.28	18.66	36.66	43.78	25.20	39.28	11.76	42.72	238.34
19.80	19.62	37.14	41.20	24.57	36.52	12.16	41.40	232.41
18.24	18.84	35.04	38.56	22.68	31.08	10.40	39.24	214.08
19.50	18.66	36.24	40.22	28.71	38.64	12.24	44.16	238.37
18.00	17.82	31.80	37.96	23.49	31.32	11.56	37.80	209.75
17.10	17.34	32.16	38.72	23.58	34.44	10.72	36.60	210.66
18.42	19.08	34.68	40.02	25.11	34.88	13.28	38.40	223.87
19.86	18.90	37.38	40.24	27.18	36.24	11.76	40.08	231.64
22.44	22.86	41.82	51.34	33.75	43.96	13.32	41.40	270.89
21.78	21.78	42.00	46.74	29.16	42.32	12.32	40.08	256.18
20.58	19.20	41.70	41.62	28.53	39.00	12.28	38.76	241.67
19.98	18.78	39.18	41.76	26.55	39.60	11.44	41.04	238.33
22.50	21.54	42.36	51.22	32.67	44.16	13.60	43.92	271.97
19.86	19.68	37.50	42.88	29.43	41.00	11.60	39.72	241.67
18.84	18.66	33.60	41.28	26.73	34.60	11.44	42.36	227.51
19.20	19.50	35.10	41.82	26.37	37.76	11.56	38.76	230.07
(a)	(a)	(a)	(a)	23.58	(a)	(a)	42.72	Inc.
18.90	17.70	33.90	40.88	25.02	35.36	11.76	40.68	224.20
20.46	20.28	36.06	43.22	25.02	37.68	12.08	38.88	233.68
19.62	18.36	34.74	41.94	25.65	36.68	10.68	41.28	228.95
20.88	21.42	39.30	48.54	29.79	41.44	12.96	40.68	255.01
22.14	21.12	41.22	45.70	29.25	41.08	13.88	42.72	257.11
19.02	18.72	34.14	40.10	25.29	34.60	12.48	40.68	225.03
21.00	20.10	36.72	45.10	26.91	40.36	11.36	40.92	242.47
18.66	19.62	35.28	42.10	26.10	35.16	11.72	38.64	227.28
20.64	18.54	38.94	40.50	28.35	38.64	11.04	41.40	238.05
19.26	17.52	37.38	38.46	23.49	35.04	12.24	39.24	222.63
17.40	18.54	33.54	38.36	25.83	34.52	11.08	38.52	217.79
18.72	17.82	36.12	39.02	26.10	35.76	10.72	39.84	224.10
16.86	17.22	32.40	37.54	23.49	33.52	10.88	39.72	211.63
19.50	17.94	34.08	39.66	24.57	37.56	12.44	37.56	223.61
19.02	16.98	35.64	39.18	27.72	35.36	10.64	41.76	226.30
20.34	20.58	37.44	43.08	25.56	36.84	11.56	39.00	234.40
20.04	18.54	38.28	41.42	28.53	38.64	11.88	38.40	235.73
18.36	18.00	35.52	40.52	25.65	34.52	12.00	42.12	226.69
21.36	21.00	37.50	44.10	30.24	40.80	11.00	39.60	245.60
20.52	19.02	35.76	41.62	26.64	36.68	11.64	41.64	233.52
20.64	19.98	34.86	42.62	24.21	36.64	12.12	37.44	228.51

Merit roll of the midshipmen of the present first class (class of 1931), for the

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admis- sion		Sea service in prac- tice ships	
				Years	Months	Months	Days
136	Williams, Lowell Windfield.....	Indiana.....	June 13, 1927	19	9	5	14
161	Williams, Russell Champion.....	Virginia.....	June 20, 1927	18	4	4	2
382	Williamson, Francis Thomas.....	Rhode Island.....	June 29, 1927	20	2	5	14
200	Wilson, Albert H, jr.....	Idaho.....	June 15, 1927	19	1	5	14
233	Wilson, Arthur LeLong.....	New Jersey.....	July 5, 1927	18	3	5	14
208	Wilson, George Speakman.....	Pennsylvania.....	do.....	16	9	5	14
297	Wirtz, Peyton Louis.....	Maryland.....	June 18, 1926	19	5	8	8
66	Wood, James Marshall.....	Virginia.....	June 14, 1927	19	8	5	14
330	Wood, Lester Orin.....	Washington.....	June 20, 1927	17	5	5	14
343	Woodaman, Ronald Joseph.....	Massachusetts.....	June 29, 1927	19	10	4	29
400	Woods, William Power.....	South Carolina.....	July 6, 1927	18	3	5	14
134	Wright, Douglas Gordon, jr.....	New Mexico.....	June 17, 1927	19	8	5	14
*30	Wright, Edward Alvey.....	Virginia.....	July 5, 1927	18	6	5	14
340	Wright, Frederick Williston, jr.....	New Jersey.....	Aug. 8, 1927	20	1	5	14
203	Wright, Sinclair Best.....	Oregon.....	June 15, 1927	18	8	5	14
388	Wright, Walter Raymond.....	Ohio.....	Aug. 11, 1927	19	8	5	14
86	Wulff, John Thayer.....	Illinois.....	June 20, 1927	18	10	5	14
364	Yancey, Evan White.....	Kentucky.....	June 16, 1927	19	10	5	14
183	Young, Andrew Lee, jr.....	District of Colum- bia.....	June 15, 1927	19	5	5	14
337	Zuntag, Alexander Andrew.....	New York.....	June 21, 1926	19	10	8	8

third year of their academic course, 454 members, June, 1930—Continued

Seaman- ship and flight tactics	Ordnance and gunnery	Navigation	Engineer- ing and aeronautics	Mathe- matics	Electrical engineer- ing and physics	Lan- guages	Aptitude for service	Aggre- gate third year
Maximum								
24	24	48	56	36	48	16	48	300
18.72	20.22	39.54	42.92	28.44	37.64	12.36	40.44	240.28
20.52	18.90	37.68	40.18	27.36	38.32	11.80	43.32	238.08
17.94	17.82	32.82	39.18	23.85	34.04	10.84	41.04	217.53
21.42	20.10	35.34	42.94	25.92	36.96	11.80	40.20	234.68
19.32	18.36	39.30	41.00	25.11	36.28	13.64	39.36	232.37
20.28	19.02	38.34	42.38	25.47	38.60	13.20	36.96	234.25
19.98	18.84	34.56	41.52	24.39	34.16	11.36	41.40	226.21
20.10	20.52	39.84	45.44	28.17	40.68	13.20	42.12	250.07
18.36	17.88	36.12	39.58	24.57	36.76	11.96	38.76	223.99
18.42	18.30	35.16	41.94	24.66	34.52	11.04	38.76	222.80
18.24	17.64	33.96	38.88	23.22	32.84	11.12	39.60	215.50
20.58	19.62	38.34	42.60	27.27	40.88	11.76	39.36	240.41
21.78	20.94	41.70	45.76	31.14	41.12	12.76	42.00	257.20
19.14	17.82	36.12	40.70	24.39	35.80	12.96	36.12	223.05
20.52	20.22	34.86	42.04	25.56	37.48	12.40	41.40	234.48
18.12	17.70	33.18	38.76	24.03	33.44	10.84	40.68	216.75
20.88	20.70	39.00	45.28	27.63	40.56	11.72	41.16	246.93
16.98	16.50	35.46	38.88	26.10	35.92	11.04	39.24	220.12
19.38	18.12	36.18	42.66	28.62	37.24	11.48	42.12	235.80
19.08	19.38	34.86	40.82	24.39	34.68	11.64	38.52	223.37

Merit roll of the midshipmen of the present second class (class of 1932),

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
62	Abrahamson, Ernest Percival	Maine	June 14, 1928	19	4
125	Acker, Frank Clements	New Jersey	Aug. 2, 1928	18	1
199	Adams, Allen Bond, jr.	West Virginia	July 6, 1928	18	4
456	Adams, Richard Donald	Pennsylvania	July 5, 1928	19	1
185	Allen, Henry Irwin, jr.	Indiana	July 16, 1928	17	9
301	Andrew, John Douglas	California	June 15, 1928	17	8
63	Archer, Stephen Morris	Ohio	June 19, 1928	16	11
369	Arthur, Lionel Alexander	New York	Sept. 27, 1928	18	10
257	Asman, Edwin Charles	Ohio	June 19, 1928	18	11
115	Asmuth, Walter, jr.	Wisconsin	July 16, 1928	17	6
149	Atkins, Barry Kennedy	At large (Pres.)	June 14, 1928	16	10
367	Bailey, Benjamin Franklin	Connecticut	June 15, 1928	18	10
106	Bailey, Burl Leonidas	Michigan	July 10, 1928	18	0
#442	Bailey, Claude Fenn	Mississippi	Aug. 31, 1928	17	9
32	Bailey, George Winston	Utah	July 16, 1928	19	9
*19	Baker, Harold Edward	Washington	do	19	5
352	Baker, Robert Louis	Kentucky	Sept. 1, 1928	19	5
i397	Baldridge, Harry Alexander, jr.	New York	June 23, 1928	16	10
165	Bandy, Jack Irving	Arizona	June 15, 1928	17	3
224	Beardslee, George Roscoe	Michigan	June 14, 1928	19	3
153	Beer, Robert Oakley	Nebraska	do	18	2
0	Beers, Colwell Edward	Missouri	July 7, 1928	19	6
148	Bell, Francis Smith	Michigan	June 18, 1928	20	0
292	Bellinger, George Lieinberger	New York	June 28, 1928	18	1
51	Best, Richard Halsey	New Jersey	June 14, 1928	18	3
229	Bigaouette, Frank Joseph	Minnesota	July 6, 1928	19	11
236	Bigler, James Campbell	Ohio	July 9, 1928	18	4
368	Billingsley, Ed Baxter	Arkansas	July 16, 1928	18	1
401	Binns, Jack Alvey	California	July 2, 1928	19	6
410	Bisson, Robert Omer	Illinois	July 6, 1928	19	10
158	Blair, Richard Hutchings	Virginia	June 29, 1928	18	0
137	Blaisdell, Norman Earl	Massachusetts	June 22, 1928	19	6
31	Bond, Frederick William, jr.	New York	June 28, 1928	20	0
399	Born, Howard Eugene	Wisconsin	July 6, 1928	18	3
*17	Bowers, Thomas Kent	Maryland	June 29, 1928	17	5
261	Bowser, Alpha Lyons, jr.	Pennsylvania	July 16, 1928	17	11
230	Brannon, Horace Rupert	Alabama	June 14, 1928	19	9
218	Brewer, Cyrus	Massachusetts	July 17, 1928	18	3
324	Brindupke, Charles Frederic	California	June 22, 1928	19	9
260	Bronson, Frederick Schaffer	Connecticut	do	19	8
72	Brown, Lawrence Shepard	New York	July 9, 1928	16	8
43	Brown, Sheldon Willis	Pennsylvania	July 7, 1928	17	11
37	Brown, William Wheeler	Tennessee	June 19, 1928	17	11
26	Brumby, Frank Hardeman, jr.	Georgia	June 21, 1928	17	6
*16	Bryan, Louis Allen	Kentucky	June 14, 1928	19	8
96	Bull, William Izard	North Carolina	July 6, 1928	17	0
253	Bunce, Peris Graves	New York	July 10, 1928	17	3
213	Burdick, Dunbar Graves	Oregon	July 16, 1928	18	8
f323	Burgin, Miller Strange	Texas	June 21, 1927	17	6
355	Burrowes, Edward Elgin	Kansas	June 29, 1928	18	7
311	Bush, Horace Peters, jr.	Pennsylvania	July 16, 1928	19	6
23	Caley, Arthur Douglas	New York	June 28, 1928	20	0
168	Campbell, Herbert John	Oregon	Aug. 1, 1928	18	10
413	Cann, Philip Winslow	Maine	July 9, 1928	20	1
311	Caperton, Harry Overton	Mississippi	July 6, 1928	18	0

for the second year of their academic course, 464 members, June, 1930

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate second year
		Maximum						
Months	Days	32	56	28	32	24	28	200
2	24	25.96	43.26	22.08	25.20	20.16	25.20	161.86
2	24	23.64	40.88	21.93	23.56	21.60	24.01	155.62
2	24	23.56	39.90	20.83	24.76	18.99	22.47	150.51
2	24	21.84	35.00	17.94	19.64	15.48	22.05	131.95
2	24	23.80	37.94	20.32	24.44	21.63	22.96	151.09
2	24	22.24	37.80	21.54	24.60	18.84	20.37	145.39
2	24	24.16	45.15	22.32	27.32	18.84	23.94	161.73
5	15	23.48	38.36	19.82	22.92	16.32	21.07	141.97
2	24	23.36	38.43	19.64	23.28	18.33	24.22	147.26
2	24	23.56	45.50	22.38	22.84	18.99	23.38	156.65
2	24	24.60	41.93	20.61	24.24	18.36	23.94	153.68
2	24	21.64	37.87	19.89	22.72	17.13	22.89	142.14
2	24	24.92	41.02	23.04	23.96	19.74	24.57	157.25
2	24	22.32	35.07	17.93	21.44	15.75	23.59	136.10
2	24	25.40	44.66	23.46	26.68	22.26	24.15	166.61
2	24	28.52	45.85	25.20	26.12	20.01	25.20	170.90
2	24	23.96	38.29	19.34	21.00	16.23	24.01	142.83
2	24	21.44	35.14	18.43	23.12	16.80	25.27	140.20
2	24	25.52	38.99	21.28	25.48	17.46	23.45	152.18
2	24	22.64	39.69	20.83	25.16	17.07	23.87	149.26
2	24	24.92	40.67	21.83	25.68	16.82	23.87	153.29
2	24	20.48	(a)	(a)	20.24	16.17	22.96	Inc.
2	24	20.32	34.86	18.62	21.76	16.98	24.92	137.46
2	24	22.64	37.38	19.16	23.00	20.37	23.24	145.79
2	24	25.24	43.75	22.77	25.60	21.54	24.08	162.98
1	23	23.40	42.28	21.01	24.36	17.07	21.00	149.12
2	24	24.00	41.79	21.83	22.64	16.14	22.19	148.59
2	24	22.08	35.70	19.32	24.92	16.65	23.45	142.12
1	8	20.80	36.96	18.68	21.44	17.91	24.08	139.87
2	24	23.36	35.77	19.27	21.00	17.10	22.82	139.32
2	24	24.44	40.46	21.54	24.84	18.24	23.24	152.76
2	24	24.64	41.02	19.86	25.76	19.29	23.87	154.44
2	24	26.52	46.62	24.27	24.28	22.05	22.96	166.70
2	24	22.36	37.24	19.22	21.28	16.35	23.66	140.11
2	24	27.84	46.97	24.71	24.80	21.54	25.27	171.13
2	24	23.32	37.24	19.72	23.80	18.81	24.15	147.04
2	24	24.36	38.29	20.23	23.36	18.93	23.80	148.97
2	24	22.56	38.78	21.12	24.04	21.00	22.05	149.55
2	24	24.40	36.96	19.21	23.64	16.50	23.45	144.16
2	24	24.12	38.78	18.89	25.20	16.41	23.73	147.13
2	24	24.72	40.81	21.74	26.04	22.20	24.99	160.50
2	24	26.28	47.04	24.28	25.20	18.51	23.80	165.11
2	24	26.08	46.97	24.43	24.44	21.15	23.17	166.24
2	24	24.36	45.08	23.23	28.00	21.87	25.48	168.02
2	9	27.40	48.86	24.30	25.24	20.19	25.83	171.82
2	24	24.72	41.58	20.77	26.64	19.98	24.08	157.77
2	24	24.08	40.18	20.11	22.64	17.43	23.10	147.54
1	23	24.76	39.83	20.17	23.08	17.04	24.85	149.73
5	15	22.56	36.54	18.89	24.44	17.67	24.15	144.25
2	24	24.40	36.61	18.92	22.28	16.23	24.15	142.59
2	24	23.44	37.52	19.51	23.24	16.20	24.85	144.76
2	24	26.44	47.81	23.43	24.16	21.39	25.69	168.92
2	24	23.36	41.37	22.73	23.88	17.16	23.59	152.09
2	24	23.04	35.56	19.02	22.24	17.25	21.98	139.09
2	24	22.16	39.27	20.28	22.08	16.68	24.29	144.76

Merit roll of the midshipmen of the present second class (class of 1932), for the

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
145	Carpenter, Truman Ernest	Vermont	July 16, 1928	19	1
113	Carroll, Daniel Lynn, jr.	Minnesota	July 9, 1928	18	4
327	Carroll, George Nicholas	Massachusetts	June 21, 1928	20	0
289	Catlett, William Jackson, jr.	Mississippi	June 28, 1928	19	2
359	Chambers, Thomas Edward	Tennessee	July 17, 1928	19	7
446	Chase, Edgar Griffith	Kansas	June 29, 1928	17	10
372	Chase, Irwin, jr.	New Jersey	July 16, 1928	16	8
237	Chittenden, John Lester	New York	June 15, 1928	17	5
316	Clement, James Markland	New Hampshire	Aug. 31, 1928	19	5
272	Close, Burdette Eugene	New York	July 16, 1928	18	3
194	Cobb, Clarence Ocumpaugh	do	June 15, 1928	18	9
424	Coleman, Earl Stanley	California	June 29, 1928	18	2
29	Coleman, Herbert McClellan	West Virginia	June 21, 1928	16	8
70	Coleman, Walter Dan	Illinois	June 18, 1928	18	3
441	Collett, James Dahlman	Nebraska	June 16, 1927	18	1
239	Colley, Thomas Jack	New York	June 19, 1928	19	5
296	Connaway, Fred	Arkansas	July 9, 1928	17	6
141	Cook, Harry Standish	Colorado	June 14, 1928	19	5
258	Coombs, Robert Ernest, jr.	Vermont	June 15, 1928	19	7
146	Cope, Alfred Lovell	Georgia	do	18	6
51½	Corry, John	Rhode Island	Aug. 2, 1928	18	2
300	Corson, George	New York	June 28, 1928	18	7
195	Counihan, John Lawrence, jr.	Connecticut	June 21, 1928	18	5
206	Cox, William Ruffin	North Carolina	June 19, 1928	17	2
387	Coxe, Alexander Bacon, jr.	Missouri	July 30, 1928	18	5
134	Craig, James Gray, jr.	Tennessee	July 9, 1928	19	5
119	Craighill, Richard Starr	Virginia	Aug. 10, 1928	18	11
189	Crowley, Dennis Stafford	do	June 21, 1928	20	1
128	Dale, Roland Harper	Connecticut	do	18	4
242	Davis, Joseph Burton	Ohio	do	18	9
303	De Long, Henry Clay	Maine	Aug. 25, 1928	17	10
154	Denig, Robert Livingston, jr.	Ohio	June 18, 1928	18	7
231	Dennett, Mark Edwin	Arizona	June 15, 1928	19	9
290	De Witt, John Carroll, jr.	Georgia	July 9, 1928	18	5
458	de Zayas, Hector	California	Aug. 16, 1928	17	11
302	Dial, Nathaniel Minter	South Carolina	July 18, 1928	17	4
402	Dibrell, Aquilla Gibbs, jr.	At large (Pres.)	June 18, 1928	18	3
93	Dickinson, Albert William	do	June 14, 1928	16	7
52	Dimitrijevic, William Joseph	Ohio	June 27, 1928	19	0
340	Dobbs, William Adams	Mississippi	July 2, 1928	19	4
240	Domenech, Juan Paul	Porto Rico	July 9, 1928	19	5
1451	Donaldson, Francis, jr.	Pennsylvania	Sept. 1, 1928	20	1
95	Douglass, Francis Malcolm	Arizona	July 6, 1928	20	2
164	Dreany, Harry Hayes	Kansas	June 29, 1928	19	3
73	Dropp, Anthony Henry	Wisconsin	June 15, 1928	18	5
140	Eastwold, Earl Russell	Minnesota	Aug. 31, 1928	19	9
377	Elliott, Lynn Thomas	Kansas	June 18, 1928	19	5
320	Emrick, Paul Edgar	Pennsylvania	July 9, 1928	18	3
375	Enright, William Keith	California	June 29, 1928	19	5
21	Ernst, Sidney Alfred	Michigan	July 10, 1928	20	2
22	Evans, Robert Lloyd	Washington	June 15, 1928	20	0
411	Everett, Charles Henry, jr.	Texas	June 19, 1928	19	3
223	Everett, John Leak, Jr.	North Carolina	July 6, 1928	17	4
333	Fahy, John Southworth	Rhode Island	Aug. 23, 1928	18	8

second year of their academic course, 464 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate second year
		Maximum						
Months	Days	32	56	28	32	24	28	200
1	23	26.04	40.39	22.64	23.24	18.15	23.59	154.05
2	24	23.44	42.42	21.65	26.68	18.90	23.73	156.82
2	24	21.80	36.89	18.30	24.68	20.04	22.40	144.11
2	24	23.20	39.34	20.53	23.72	15.96	23.17	145.92
0	00	23.68	38.43	19.25	21.16	16.98	22.96	142.46
2	24	21.68	35.84	18.24	22.36	15.72	21.91	135.75
2	24	23.28	36.75	19.51	22.40	19.23	20.51	141.68
2	24	24.92	38.99	20.34	23.64	17.37	23.31	148.57
2	24	21.88	38.36	18.79	23.28	19.62	22.61	144.54
2	24	24.24	38.85	19.59	23.44	18.21	22.40	146.73
2	24	24.32	40.67	20.15	23.76	18.30	23.52	150.72
0	00	21.44	36.54	19.52	21.68	15.84	23.10	138.12
2	24	27.84	47.46	24.08	26.28	18.06	23.31	167.03
2	9	27.80	42.35	23.57	24.76	18.72	23.66	160.86
2	21	20.44	35.84	18.34	22.28	16.68	22.54	136.12
2	24	24.24	38.22	19.76	25.20	18.36	22.54	148.32
2	24	22.88	38.78	18.96	21.92	18.96	24.08	145.58
2	24	22.88	39.76	20.22	24.12	22.29	25.06	154.33
2	24	23.80	38.71	20.51	23.68	16.26	24.22	147.18
2	24	26.28	40.95	21.53	23.44	17.79	24.01	154.00
2	24	24.80	43.12	21.73	26.04	22.38	24.78	162.85
2	24	21.56	38.01	19.83	24.28	18.09	23.73	145.50
2	24	23.12	39.27	22.45	25.16	18.33	22.33	150.66
2	9	22.56	37.03	20.50	24.44	20.37	25.34	150.24
2	24	23.96	37.66	19.10	22.08	15.69	22.40	140.89
2	24	26.04	44.31	20.98	22.28	17.85	23.31	154.77
2	24	23.96	45.71	21.27	23.40	19.11	22.75	156.20
2	24	22.20	39.20	19.21	24.60	21.12	24.71	151.04
2	24	24.72	41.23	21.73	26.04	18.42	23.31	155.45
2	9	21.92	36.96	19.39	23.92	19.68	26.18	148.05
1	23	25.04	36.96	20.17	22.20	19.26	21.63	145.26
2	24	25.64	41.37	23.38	24.52	16.77	21.42	153.10
2	24	25.88	41.16	20.18	21.64	16.56	23.38	148.80
2	24	22.12	39.20	19.26	22.60	19.77	22.96	145.91
2	24	21.64	35.49	18.57	20.40	15.78	18.76	130.64
2	24	22.56	37.31	19.47	24.04	17.61	24.36	145.35
2	9	21.72	36.82	18.88	22.64	16.14	23.59	139.70
2	24	23.24	44.52	22.14	24.76	19.98	23.31	157.95
2	24	25.12	43.05	22.83	28.12	20.46	23.24	162.82
2	24	24.16	39.55	19.58	22.72	15.90	21.35	143.26
2	24	21.56	38.15	19.01	25.32	21.69	22.54	148.27
2	24	20.56	34.72	20.21	23.08	16.98	19.53	135.08
2	24	23.92	39.20	22.32	25.60	22.23	24.57	157.84
2	24	26.04	41.65	21.07	24.00	15.96	23.66	152.38
2	24	24.76	44.38	21.72	24.12	21.48	23.87	160.33
2	24	25.32	44.17	21.33	24.60	15.69	23.24	154.35
2	24	22.52	35.70	18.51	23.00	16.83	24.85	141.41
2	24	23.00	36.47	20.04	24.60	16.77	23.52	144.40
2	24	22.84	36.75	19.05	24.04	16.92	21.98	141.58
2	24	26.32	44.87	24.15	26.84	22.80	24.78	169.76
2	24	27.48	47.11	23.82	26.32	20.43	24.50	169.66
2	24	21.84	37.31	18.64	23.04	16.17	22.26	139.26
2	24	24.20	41.16	20.89	24.04	16.83	22.19	149.31
2	24	22.64	36.54	19.43	25.92	15.51	23.59	143.63

Merit roll of the midshipmen of the present second class (class of 1932), for the

Order of gen- eral merit for aca- de- mic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
308	Fairbanks, John Francis, jr.	Massachusetts	June 28, 1928	19	11
444	Faires, Carl Franklin, jr.	Georgia	Aug. 31, 1928	18	8
216	Fang, Owen Elkins	New York	June 21, 1928	19	1
201	Fawcett, Marion Arthur	Indiana	June 29, 1928	20	3
*5	Fawkes, Emerson Evans	Iowa	June 25, 1928	17	0
209	Feldscher, Willard	Wyoming	July 23, 1928	18	0
78	Fink, George Rickards	New Jersey	June 18, 1928	17	3
276	Finney, Earl Peck, jr.	At large (Pres.)	June 14, 1928	18	0
81	Fleck, Thomas Martin	Ohio	June 15, 1928	19	1
331	Flenniken, James Alexander	New York	July 6, 1928	17	11
102	Foley, Francis Drake	do	July 7, 1928	18	0
136	Ford, Joel Clarence, jr.	Alabama	June 14, 1928	17	4
50	Frakes, Dale Roderick	Minnesota	June 29, 1928	19	6
94	Francis, Harry Grover	New York	Aug. 27, 1928	16	6
26	Franklin, William Richard	do	June 17, 1927	19	10
*14	Frazer, Charles Leonard	Iowa	June 22, 1928	17	3
294	Freund, Bernard William	Virginia	June 19, 1928	17	11
107	Fulton, Robert Burwell, 2d	Mississippi	July 6, 1928	17	6
215	Gamble, Robert Lynn	Minnesota	June 25, 1928	17	11
339	Garrison, Malcolm Everett	Iowa	July 6, 1928	18	3
152	Gates, Albert Eugene, jr.	District of Columbia	June 30, 1927	18	7
80	Gibson, Scott Kendall	Washington	June 30, 1928	19	2
109	Gold, Charles Cary	Pennsylvania	July 16, 1928	17	9
403	Goodgame, Robert Edward, jr.	Tennessee	July 9, 1928	19	2
434	Goodhue, Arthur Archibald	Massachusetts	June 28, 1928	19	11
319	Goodman, Daniel Crosby	Minnesota	June 22, 1928	20	1
234	Gorsline, Richard Howard	Illinois	July 6, 1928	17	0
306	Gothie, Daniel Shinton	Pennsylvania	July 31, 1928	17	10
34	Gramlich, Frederick Martin	New York	July 26, 1928	17	3
430	Greene, Richard Oden	Oklahoma	June 20, 1928	19	3
101	Greenlee, Archibald Wilson	Illinois	Aug. 31, 1928	17	6
177	Gregory, Richard Victor	Virginia	June 28, 1928	18	3
183	Grider, John McGavock	P. A. 348 (Pres.)	June 27, 1928	17	7
100	Grouleff, Paul Henry	New York	June 15, 1928	18	0
203	Groverman, William Heald, jr.	West Virginia	July 16, 1928	18	8
280	Halsey, LeRoy Bartlett	South Carolina	June 22, 1928	19	3
295	Hamilton, Mason Jay	Indiana	Aug. 2, 1928	17	6
74	Hanson, Albert Eugene	Wisconsin	June 29, 1928	18	10
261	Hardie, Thomas George	Iowa	do	20	1
159	Harral, Brooks Jared	New York	July 7, 1928	16	11
61	Harrington, Paul Herbert	do	Aug. 7, 1928	18	0
336	Harwell, Joseph LaPrade	Georgia	Sept. 4, 1928	19	11
358	Harwood, Richard Drury	Tennessee	Aug. 11, 1927	17	11
112	Hayes, J Harry	New Jersey	June 21, 1928	19	11
374	Head, Harvey Hatcher	Georgia	July 2, 1928	20	1
155	Heinlein, Oscar Allen, jr.	Missouri	June 22, 1928	16	6
160	Hendrick, Hugh Lee, jr.	Texas	June 19, 1928	18	5
275	Hitchcock, Charles	New York	June 28, 1928	18	7
147	Hobbs, George Orrin	Idaho	July 17, 1928	20	0
78	Hodge, Ernest Debbes	California	June 21, 1928	18	8
281	Hodgkins, Edward Ruggles	Arizona	July 16, 1928	18	1
305	Holloway, Carlton Elbridge	Massachusetts	June 22, 1928	18	4
376	Holloway, William Ponder	Texas	June 15, 1928	17	8
431	Holmes, William McClintic	Oklahoma	June 19, 1928	17	8
317	Holt, Phillip Christian	P. A. 348 (Pres.)	June 21, 1928	18	10

second year of their academic course, 464 members, June, 1930—Continued

Sea service in practice ships		Engineering and aero- nautics	Mathe- matics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate second year
		Maximum						
Months	Days	32	56	28	32	21	28	200
2	24	22.64	36.54	19.20	23.08	20.31	23.10	144.87
2	24	20.84	35.63	18.36	21.40	18.63	21.14	136.00
2	24	23.56	39.41	19.97	25.72	17.94	23.03	149.63
2	24	24.72	37.66	20.79	24.24	19.71	23.31	150.43
2	24	26.76	52.36	26.18	26.72	22.47	23.73	178.22
2	24	25.84	41.51	21.35	22.40	17.40	21.49	149.99
2	24	24.40	44.66	22.05	24.92	19.59	23.94	159.56
2	24	22.60	38.22	19.74	23.68	17.19	25.06	146.49
2	24	23.96	43.05	21.58	25.96	20.01	24.85	159.41
2	24	22.76	36.89	19.66	23.60	18.72	22.12	143.75
2	24	24.44	38.43	21.44	27.12	20.82	25.20	157.45
2	24	25.72	40.18	20.95	25.32	18.18	24.15	154.50
2	24	24.36	46.69	23.96	25.92	17.88	24.22	163.03
2	24	23.96	44.52	28.55	23.96	19.26	22.61	157.86
2	24	25.80	47.74	24.01	26.92	19.05	24.50	168.02
2	24	25.96	48.02	24.12	26.64	22.11	25.20	172.05
2	24	23.00	38.85	19.64	23.36	17.13	23.66	145.64
1	23	25.44	41.23	21.20	24.88	19.47	24.92	157.14
2	24	22.36	40.25	21.72	24.24	17.37	23.73	149.67
2	24	21.28	35.21	18.58	24.60	18.12	25.48	143.27
5	15	23.48	41.86	20.37	24.80	19.11	23.80	153.42
2	24	24.20	45.36	23.60	24.36	19.14	22.89	159.55
2	24	24.56	41.37	21.83	26.04	19.02	23.66	157.08
2	24	21.44	36.05	18.32	23.88	16.56	23.45	139.70
2	24	20.04	35.49	18.33	22.24	18.18	23.10	137.38
2	24	21.72	36.68	19.36	23.40	18.21	25.06	144.43
2	24	22.60	39.83	19.38	23.96	19.95	22.96	148.68
2	24	23.36	39.20	19.25	22.92	17.91	22.33	144.97
2	24	26.72	46.55	24.30	24.48	20.10	24.36	166.51
2	24	22.72	38.22	19.04	20.92	16.47	20.30	137.67
2	24	24.72	48.86	22.97	22.76	17.55	20.65	157.51
2	24	24.08	40.60	21.35	23.96	17.16	24.29	151.44
2	24	23.88	41.44	21.03	24.04	17.28	23.52	151.19
2	24	25.92	43.40	22.87	25.08	18.24	22.05	157.56
2	24	25.08	42.56	20.44	22.76	16.53	22.96	150.33
2	24	23.32	38.15	20.51	24.56	16.50	23.38	146.42
2	24	21.84	38.85	20.03	24.52	17.55	22.82	145.61
2	24	24.12	44.80	23.67	22.52	21.03	24.08	160.22
2	24	23.44	38.15	19.91	24.28	17.88	23.38	147.04
2	24	24.60	40.46	22.05	25.12	17.64	22.75	152.62
2	24	25.36	45.50	22.58	24.72	19.89	23.87	161.92
2	24	21.80	35.98	18.56	23.88	18.75	24.50	143.47
2	24	21.28	39.41	19.99	21.32	17.73	22.75	142.48
2	24	24.68	44.03	22.71	22.88	20.70	21.91	156.91
2	24	21.28	36.47	18.73	22.76	19.53	22.82	141.59
2	24	25.84	42.42	21.83	23.80	16.71	22.47	153.07
2	24	24.28	41.16	20.79	24.76	18.21	23.31	152.51
2	24	22.60	37.17	21.03	24.44	18.00	23.31	146.55
2	24	24.24	41.65	22.44	23.92	18.12	23.59	153.96
2	24	26.20	44.38	22.28	24.28	19.32	23.10	159.56
2	24	22.12	37.31	19.03	25.76	17.88	24.29	146.39
2	24	21.20	36.96	18.60	23.52	20.73	24.08	145.09
2	24	20.92	36.61	18.67	22.68	18.75	23.94	141.57
2	24	22.52	36.89	18.13	22.00	16.17	21.77	137.48
2	24	24.68	40.53	20.12	20.16	16.05	22.96	144.50

Merit roll of the midshipmen of the present second class (class of 1932), for the

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
325	Hooper, John Hall	New York	Aug. 23, 1928	18	1
386	Hopkins, Thomas Walton	Maryland	Aug. 7, 1928	17	5
25	Horner, John Stuart	Michigan	July 23, 1928	16	11
208	Howe, Frederic Northey	P. A. 348 (Pies.)	July 6, 1928	17	6
124	Howle, Wilbur Graham	South Carolina	July 20, 1928	17	9
268	Hughes, George Ervin	Oklahoma	July 6, 1928	17	4
35	Hull, Harry	Georgia	July 9, 1928	16	6
256	Humes, Ralph Martin	Rhode Island	June 28, 1928	18	4
345	Humiston, Julian Gray	Idaho	June 15, 1928	18	10
281 $\frac{1}{2}$	Hummer, Harry Cessna	Pennsylvania	June 30, 1926	16	5
279	Humrichouse, James Walker	do	July 6, 1928	17	3
148	Hunter, George Cuthbert	South Dakota	July 9, 1928	17	5
163	Hurley, Thomas Benedict	New York	June 15, 1928	19	8
*20	Hurst, Edwin William	South Dakota	Aug. 2, 1928	17	10
291	Hutchings, Charles Slack	Texas	June 29, 1928	19	5
299	Hutchinson, George Leland	Colorado	July 24, 1928	18	5
108	Hydeman, Earl Twinning	Ohio	Sept. 1, 1928	17	2
220	Innis, Walter Deane	Indiana	Aug. 31, 1928	19	6
42	Jaap, Joseph Abraham	Colorado	July 7, 1928	19	6
44	Jacobs, John Francis, jr.	New Jersey	July 9, 1928	16	6
388	James, George Shearman, jr.	Maryland	June 22, 1928	17	7
445	Janz, Eugene	At large (Pres.)	Aug. 27, 1928	19	4
349	Jewett, Garry William, jr.	Washington	June 21, 1928	19	5
329	Johnson, Clifford Arthur	Illinois	July 9, 1928	17	10
378	Johnson, John Henry Stewart	Mississippi	June 18, 1928	19	5
172	Johnson, Ralph Clarence	Illinois	June 29, 1928	17	6
288	Johnson, Stanley Howard	Michigan	July 20, 1928	16	6
33	Jones, John Paul, jr.	Oregon	July 16, 1928	19	11
421	Jonson, William Crawford, jr.	Kentucky	June 18, 1928	18	5
405	Jukes, Herbert Lollis	Arkansas	June 29, 1928	20	0
277	Kaplan, Albert David	Iowa	June 18, 1928	18	0
233	Kasperek, Clarence Emery	Nebraska	June 21, 1928	18	7
121	Kaufman, John Holladay	At large (Pres.)	June 14, 1928	18	1
409	Keen, Cleo Rafter	Missouri	June 22, 1928	18	7
408	Keene, Charles, jr.	District of Columbia	June 21, 1928	19	2
82 $\frac{1}{2}$	Kehl, George William	Texas	June 28, 1928	19	5
46	Kelly, William Daniel	Pennsylvania	June 19, 1928	17	8
129	Kemper, James Lawson	California	Aug. 29, 1928	19	4
235	Kenna, William Edward	West Virginia	June 29, 1928	17	4
454	Kerr, Frank Ingalls	Louisiana	Aug. 31, 1928	20	0
67	Kerr, Robert Hartley	New York	June 22, 1928	17	11
*7	Keyes, Charles Melville	Colorado	June 21, 1928	18	3
745	Keyes, Franklin George	New York	July 16, 1928	18	6
427	Keyser, Charles Hampson	Virginia	Sept. 1, 1928	19	7
66	Kinert, David Frederic	Washington	June 29, 1928	18	9
381	King, Otis Bascom	Alabama	June 15, 1927	17	8
56	Kintherger, Leon Samuel	Maryland	Aug. 30, 1928	18	4
116	Kirn, Louis Joseph	Wisconsin	July 6, 1928	20	1
82	Klinksiek, Henry Tilman	Missouri	June 29, 1928	19	5
111	Knock, Daniel Clyde, jr.	Kansas	June 22, 1928	18	5
69	Knoertzer, Halford A.	Washington	do	17	4
285	Koivisto, Martin Mathew	Michigan	June 18, 1928	19	1
157	Konrad, Edmond George	Wisconsin	June 21, 1928	19	4
428 $\frac{1}{2}$	Kretz, Charles Henry, jr.	Oklahoma	June 15, 1928	18	4
77	Kuhl, Joseph Howard	Iowa	July 16, 1928	20	3

second year of their academic course, 464 members, June, 1930—Continued

Sea service in practice ships		Engineering and aero-nautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate second year
		Maximum						
Months	Days	32	56	28	32	24	28	200
2	24	23.32	39.20	19.28	23.72	16.44	22.19	144.15
2	24	22.52	37.17	18.79	23.72	16.32	22.40	140.92
2	24	25.68	49.14	23.60	26.40	20.28	23.10	168.29
2	24	24.72	38.85	20.59	22.84	18.24	24.85	150.09
2	24	22.28	42.00	21.50	24.32	21.66	23.94	155.70
2	24	24.28	37.03	18.92	24.68	19.11	22.75	146.77
2	24	24.16	46.55	24.22	24.84	22.41	24.29	166.47
2	24	22.84	37.73	21.01	25.36	17.28	23.10	147.32
2	24	21.52	37.17	18.60	23.68	19.50	22.68	143.15
7	8	26.40	49.91	24.80	24.52	18.87	23.31	167.81
2	24	22.24	38.99	20.22	22.88	18.03	24.08	146.44
2	24	23.40	45.01	21.33	22.36	18.06	23.73	153.89
2	9	23.68	41.30	21.60	22.16	18.03	25.62	152.39
2	24	26.84	47.81	23.86	27.72	20.67	23.94	170.84
2	24	21.00	40.95	20.07	23.36	18.18	22.33	145.89
2	24	23.12	38.71	20.34	21.16	17.82	24.36	145.51
2	24	24.56	40.25	21.80	25.64	20.85	24.01	157.11
2	24	23.28	39.69	19.27	24.68	19.53	23.03	149.48
2	24	26.00	43.54	23.16	26.24	21.42	25.13	165.49
2	24	25.52	47.18	23.87	23.60	22.56	21.49	164.22
2	24	22.16	37.52	20.32	21.68	18.12	21.07	140.87
2	24	22.48	35.98	18.60	20.72	16.38	21.63	135.79
1	23	22.16	38.57	19.37	21.96	17.61	23.45	143.12
2	24	22.28	37.66	18.73	24.00	17.73	23.38	143.78
2	24	21.76	36.82	18.58	22.20	18.30	23.73	141.39
2	24	23.24	41.86	21.06	22.48	19.47	23.52	151.63
2	24	24.28	39.83	20.35	24.76	16.56	20.16	145.94
2	24	26.84	47.25	24.23	25.16	18.60	24.50	166.58
2	24	21.36	35.84	18.21	22.52	17.49	23.10	138.52
2	24	23.00	35.98	18.95	21.04	17.31	23.38	139.66
2	24	22.48	41.02	20.24	23.88	17.64	21.21	146.47
2	24	22.92	39.20	19.89	23.76	18.03	24.92	148.72
2	24	23.96	43.05	22.44	24.96	18.12	23.38	155.91
2	24	22.92	36.54	18.82	22.60	16.35	22.12	139.35
2	24	22.60	36.96	18.93	22.36	15.90	22.68	139.43
2	24	25.52	42.14	21.85	24.84	20.94	23.87	159.15
2	24	25.00	44.17	24.11	25.88	20.13	24.50	163.79
2	24	25.40	40.88	22.26	23.72	19.44	23.73	155.43
2	24	25.56	40.25	22.55	21.44	16.11	22.75	148.66
2	24	21.12	35.63	17.73	21.20	16.17	22.75	134.60
2	24	25.72	44.45	23.22	24.64	18.99	23.87	160.89
2	24	27.68	49.28	25.10	27.32	22.98	24.36	176.72
2	24	23.20	42.84	23.62	27.68	22.14	24.36	163.84
2	24	21.08	36.75	18.87	21.22	17.10	23.03	138.05
2	24	25.40	46.13	23.07	24.96	19.26	22.26	161.08
5	15	23.12	36.75	19.03	22.80	17.16	22.47	141.33
2	24	26.76	49.91	24.24	22.44	17.19	21.91	162.45
2	9	26.56	40.32	21.09	24.08	19.32	25.06	156.43
2	24	24.56	45.57	22.79	25.16	19.77	21.49	150.34
2	24	22.72	42.07	22.24	25.56	21.66	22.82	157.07
2	24	25.40	42.42	23.69	26.16	19.62	23.59	160.88
2	24	24.64	38.92	19.40	22.64	16.89	23.73	146.22
2	9	24.44	42.28	21.38	23.28	17.10	24.36	152.84
2	24	22.24	35.77	18.57	21.52	15.78	23.94	137.82
2	24	25.56	42.35	23.28	26.28	18.60	23.59	159.66

Merit roll of the midshipmen of the present second class (class of 1932), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
455	Labouisse, Samuel Stanhope	Louisiana	Aug. 31, 1928	18	11
373	Lamade, John Dietrick	Pennsylvania	July 7, 1928	18	3
57	Lambert, Richard Holland	Massachusetts	July 6, 1928	18	2
126	Langen, Thomas David Francis	do	June 22, 1928	20	2
178	Lank, Theodore Small	Delaware	July 7, 1928	19	1
424	Lanman, Charles Burrows	Arizona	July 16, 1928	19	3
191 ¹²	Lapidus, Earl Alvin	Nebraska	July 31, 1928	18	4
162	Lark, Jacob Aucker	Pennsylvania	July 6, 1928	18	5
204	Latta, Frank De Vere	Iowa	July 23, 1928	19	6
420	Lavery, Richard John	Illinois	July 19, 1928	18	3
123	Leeds, John Raymond	Pennsylvania	June 15, 1928	20	2
390	Leonard, Robert Craven	North Carolina	June 19, 1928	18	8
423	Letts, Kenneth Pearle	Michigan	June 28, 1928	19	7
225	Leverett, Travis Robert	Texas	June 20, 1928	18	3
176	Lewis, John Stephen	At large (V. P.)	June 22, 1928	20	2
24	Lewis, Porter	Alabama	July 16, 1928	17	1
151	Lewis, Walter Henry	Pennsylvania	June 19, 1928	18	6
104	Lietwiler, John Marion	Ohio	June 25, 1928	20	2
210	Little, Rex Beach	Kansas	June 14, 1928	17	11
314	Lockwood, Harris Cade	New York	June 19, 1928	19	9
171	Loughlin, Joseph James, jr.	P. A. 348 (Pres.)	July 6, 1928	20	0
432	Lowndes, Thomas Pinckney	South Carolina	June 23, 1928	19	4
365	Lucier, Roland Omer	Montana	June 29, 1928	19	11
286	Luker, George Robert	Illinois	June 14, 1928	20	0
306	Lunger, John Philip	New York	June 19, 1928	18	7
403	Lyons, Charles Malaher, jr.	Massachusetts	July 9, 1928	18	9
390	Lyons, William Beauveau Borie	Pennsylvania	July 2, 1928	19	1
457	Maher, Eugene Hugh	Utah	July 25, 1928	20	3
418	Major, Albert Sidney, jr.	Virginia	June 29, 1928	19	11
193	Mallory, Charles King, jr.	Maryland	June 25, 1928	18	7
*1	Mandelkorn, Richard Shai	Illinois	July 9, 1928	17	11
443	Mang, Louis Wilbur	Maryland	June 28, 1928	19	6
173	Marshall, James Gilbert	Tennessee	June 19, 1928	18	1
395	Mather, Max Chapman	Ohio	July 2, 1928	19	4
226	Matter, Alfred Richard	Montana	July 20, 1928	18	5
138	Maulsby, Robert John Costley	Iowa	June 21, 1927	17	2
428	Mayer, Rollins Harry	Missouri	June 22, 1928	19	8
417	McAlpine, Lloyd Hiram	Massachusetts	June 28, 1928	19	10
243	McCandless, Bruce	Colorado	June 14, 1928	16	10
436	McCarley, Henry Harris	South Carolina	July 23, 1928	18	3
392	McCormick, John Joseph	Pennsylvania	June 19, 1928	17	10
321	McCornock, Samuel Aldo	Michigan	July 16, 1928	17	6
384	McCrea, Victor B.	Ohio	June 26, 1928	19	11
350	McDonald, David Harold	Tennessee	June 25, 1928	20	2
7447	McDougal, Douglas Cassell, jr.	California	June 14, 1928	17	10
398	McGoldrick, Joseph Aloysius	Pennsylvania	July 30, 1928	19	5
205	McIver, DeWitt Clinton, jr.	North Carolina	June 19, 1928	18	0
383	McLeod, Donald King	Nevada	June 22, 1928	18	8
342	Meader, Equan Burleson	New York	June 29, 1928	18	5
167	Miller, John Stanley	Texas	June 25, 1928	19	8
*12	Milier, William Reynolds	Maryland	July 17, 1928	16	10
*6	Mitchell, Gilbert Hesser	Pennsylvania	July 23, 1928	17	3
313	Moncure, Samuel Pemberton	Virginia	Sept. 1, 1928	18	11
273	Montgomery, Thomas Jefferson	Ohio	June 22, 1928	17	8
7*18	Montgomery, William Penn, jr.	Kansas	June 15, 1928	16	10

second year of their academic course, 464 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate second year
		Maximum						
Months	Days	32	56	28	32	24	28	200
2	24	22.20	36.05	18.23	21.08	16.86	18.76	133.18
2	24	22.28	37.52	18.90	22.28	17.82	22.82	141.62
2	24	25.72	44.17	22.09	24.00	21.87	24.57	162.42
2	24	23.96	39.90	21.15	28.36	18.36	23.87	155.60
2	24	26.00	40.95	22.28	21.80	17.04	23.31	151.38
2	24	21.64	38.15	18.89	22.88	17.10	19.46	138.12
2	24	23.24	39.97	21.32	24.36	20.67	21.14	150.70
2	24	24.08	41.79	20.32	24.40	17.25	24.57	152.41
2	24	25.80	40.18	19.99	23.04	17.16	24.15	150.32
2	24	21.20	35.77	18.55	22.52	17.91	22.68	138.63
2	24	26.44	40.39	21.96	24.48	19.35	23.10	155.72
2	24	22.60	37.03	18.99	22.72	16.20	23.24	140.78
2	24	21.52	35.49	18.83	22.24	17.58	22.61	138.27
2	24	24.52	41.44	21.08	22.56	17.70	21.91	149.21
2	24	23.32	37.73	21.02	25.52	19.65	24.22	151.46
2	24	25.60	47.46	24.65	27.72	20.19	22.89	168.51
2	24	23.76	42.77	20.67	24.44	18.03	23.87	153.54
2	24	24.68	39.76	21.39	26.48	22.17	22.89	157.37
2	24	23.64	40.18	21.28	24.60	18.15	22.12	149.97
2	24	22.80	38.64	19.67	22.80	16.62	24.15	144.68
2	24	23.80	38.99	21.53	25.20	17.94	24.22	151.68
2	24	22.92	36.47	18.78	21.80	15.51	21.98	137.46
2	24	22.92	38.08	20.54	22.88	16.86	20.93	142.21
2	24	23.36	38.15	19.15	23.52	16.92	24.92	146.02
2	24	21.56	35.70	19.01	23.12	21.99	23.59	144.97
2	24	20.80	37.87	18.33	22.12	19.23	21.35	139.70
2	24	21.16	37.38	19.69	23.64	17.91	21.00	140.78
2	24	22.16	35.84	18.13	20.76	15.63	18.62	131.14
2	24	22.96	36.40	18.57	21.52	15.84	23.45	138.74
2	24	25.12	40.46	21.13	23.52	16.56	23.94	150.73
2	24	28.44	54.74	27.26	27.92	22.35	21.98	182.69
2	24	22.40	36.47	18.64	21.48	16.38	20.72	136.09
2	24	25.36	41.44	21.49	24.04	16.59	22.61	151.53
2	24	22.72	36.40	18.69	22.08	18.24	22.40	140.53
2	24	21.84	39.76	20.21	24.16	19.11	24.08	149.16
3	21	24.36	41.58	22.63	23.44	19.29	23.10	154.40
2	24	22.08	37.52	18.80	20.12	17.16	22.26	137.94
2	24	21.12	35.70	18.26	21.44	18.06	24.22	138.80
2	24	23.44	38.01	21.10	25.68	16.29	23.52	148.04
2	24	22.68	34.09	18.29	21.88	16.92	23.38	137.24
2	24	22.00	36.61	19.08	23.60	16.50	22.89	140.68
2	24	22.20	37.80	20.37	24.12	17.13	22.68	144.30
1	8	21.60	36.75	18.21	23.40	15.96	25.20	141.12
2	24	22.08	38.36	19.22	22.68	17.88	22.89	143.11
2	24	21.08	35.91	18.40	21.60	18.66	19.74	135.39
2	24	21.88	38.15	19.01	21.60	17.40	22.12	140.16
2	24	22.48	39.27	21.46	23.36	18.21	25.48	150.26
2	24	21.24	38.64	18.58	22.80	17.01	22.89	141.16
2	24	23.56	35.70	18.70	24.64	16.71	23.94	143.25
2	24	23.12	37.73	21.28	25.20	20.34	24.50	152.17
2	24	28.44	51.03	24.91	26.20	20.22	22.75	173.55
2	24	27.16	49.63	25.50	29.92	22.62	23.31	178.14
2	24	22.28	37.66	20.67	23.00	17.04	24.08	144.73
2	24	22.96	37.87	18.97	23.64	18.42	24.78	146.64
2	24	26.52	53.06	25.34	26.72	19.71	19.74	171.09

Merit roll of the midshipmen of the present second class (class of 1932), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
90	Moore, Harry Grimshaw	Georgia	July 9, 1928	19	5
227	Moore, John Anderson	Arizona	June 15, 1928	18	5
338	Moore, Robert Brevard	North Carolina	July 7, 1928	18	9
452	Morgan, Robert Arlan	New Hampshire	July 6, 1928	18	2
60	Morse, John Henry, Jr.	South Carolina	June 22, 1928	18	1
287	Munger, Malcolm Townsend	Massachusetts	July 9, 1928	19	4
132	Munholland, John	Louisiana	June 22, 1928	17	7
40	Munson, Henry Glass	California	June 29, 1928	18	6
156	Murphy, Charlton Lewis, Jr.	Pennsylvania	June 28, 1928	20	2
250	Murphy, Jerome Elmer, Jr.	New York	July 19, 1928	18	11
58	Murray, Ellsworth Neil	Minnesota	June 14, 1928	18	0
337	Musgrave, Charles Wiegel	Ohio	July 9, 1928	18	10
36	Mustin, Lloyd Montague	Pennsylvania	June 14, 1928	16	11
414	Myatt, Lawrence Leslie	Massachusetts	July 27, 1928	19	9
84	Myers, Jacob Christian	California	June 29, 1928	18	9
130	Nelson, Carl Philip	North Dakota	June 15, 1928	18	6
117	Nicholas, Nicholas John	Maine	June 22, 1928	19	2
249	Nisewaner, Teirrell Andrew	Idaho	June 29, 1928	18	2
190	Nuessle, Francis Edward	North Dakota	June 27, 1928	17	5
308	O'Connor, Michael Bernard	Oregon	June 20, 1928	18	6
144	Odend'hal, Charles Joseph, Jr.	Massachusetts	Aug. 23, 1928	17	7
75	Osler, Paul Gordon	Iowa	June 14, 1928	18	0
346	Ottinger, George Malone	Tennessee	Aug. 27, 1928	18	4
212	Outerson, William	California	Aug. 7, 1928	18	7
304	Ovrom, Allan Alfred	Wisconsin	June 22, 1928	18	3
370	Owens, Hinton Allen	Georgia	July 25, 1928	19	4
30	Palmer, Charles Joseph	New Hampshire	July 18, 1928	17	11
254	Parker, Alton E.	Idaho	June 22, 1928	19	8
270	Parker, Frank Mahlon	Indiana	do	17	9
385	Parks, John Robert	Missouri	June 21, 1928	20	0
448	Parrish, Lloyd Withers	New Mexico	July 5, 1927	19	10
161	Pavlic, Milton Frank	Ohio	June 25, 1928	18	6
362	Payne, Edwin Kent	West Virginia	June 21, 1928	19	10
435	Perkins, Charles Elliott	North Carolina	June 28, 1928	19	2
134	Perkins, William Beckwith, Jr.	Virginia	June 21, 1928	17	4
41	Pfingstag, Paul William	Indiana	July 18, 1928	17	6
302	Phares, Everett Lang	Maryland	June 28, 1928	19	9
165	Phillips, Charles Edwin	Iowa	July 6, 1927	18	2
371	Phipps, Joseph Clark	Virginia	June 21, 1928	19	3
192	Pierce, George Ellis	Tennessee	June 19, 1928	18	8
247	Pinkston, Earl Roland	Georgia	June 15, 1928	18	5
127	Pitts, Ray Maurer	Texas	June 28, 1928	18	9
99	Pletta, Fred Arthur	Illinois	July 31, 1928	18	11
332	Porter, George Egbert, Jr.	Pennsylvania	July 17, 1928	19	1
63	Porter, Robert Reed	Wisconsin	June 25, 1928	17	11
200	Pressey, George Washington	Virginia	July 6, 1928	18	0
67	Prince, Howard Riche	Tennessee	June 28, 1928	19	8
241	Quarles, Samuel Frank	Virginia	June 19, 1928	17	5
343	Quirk, Philip Decatur	At large (Pres.)	June 14, 1928	18	5
394	Rain, Francis Merrell	Nebraska	Aug. 31, 1928	19	0
255	Ramey, John William	Kentucky	June 22, 1928	19	10
98	Raring, George Louis	Pennsylvania	July 16, 1928	17	6
382	Raymond, William Henry, Jr.	North Dakota	June 19, 1928	18	0
0	Reader, Joseph Clyde, Jr.	Illinois	June 18, 1928	18	6
139	Reilly, James Vincent	New York	Aug. 1, 1928	19	4

second year of their academic course, 464 members, June, 1930—Continued

Sea service in practice ships		Engineering and aero-nautics	Mathem- atics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate second year
		Maximum						
Months	Days	32	56	28	32	24	28	200
2	24	24.68	45.85	23.26	22.44	17.64	24.22	158.09
2	24	23.16	40.67	21.19	21.60	18.66	23.87	149.15
2	24	23.28	37.59	19.16	22.72	16.23	24.36	143.34
2	24	21.16	35.28	17.72	21.84	16.35	22.61	134.96
2	24	25.84	42.28	23.66	27.08	19.77	23.38	162.01
2	24	23.44	39.27	20.03	22.88	16.53	23.80	145.95
2	24	24.48	40.39	21.37	24.24	21.48	23.24	155.20
2	24	26.96	48.86	25.66	23.76	18.30	22.12	165.66
2	24	25.08	40.32	21.68	24.44	16.98	24.50	153.00
2	24	22.96	41.37	20.64	22.52	18.51	21.77	147.77
2	24	24.32	45.64	22.04	26.08	20.64	23.69	162.41
2	24	21.00	38.64	19.48	24.00	16.11	24.15	143.38
2	24	26.92	44.38	23.83	27.96	20.58	22.75	166.42
2	24	21.28	38.43	19.29	22.20	16.74	21.14	139.08
2	24	25.00	44.38	23.01	24.08	19.11	23.31	158.89
2	24	26.88	43.26	22.07	22.44	19.80	20.93	155.38
2	24	26.28	39.62	21.15	25.96	19.80	23.59	156.40
2	24	23.32	39.20	19.44	24.16	18.84	22.82	147.78
2	24	25.32	42.21	20.15	24.52	17.19	21.63	151.02
2	24	22.72	39.55	18.90	23.80	16.80	23.10	144.87
2	24	24.92	40.18	21.66	25.88	18.78	22.68	154.10
2	24	26.96	44.03	22.82	25.04	18.36	22.54	159.75
2	24	22.36	38.15	19.70	23.04	17.28	22.61	143.14
2	24	24.52	39.76	21.38	24.48	16.47	23.17	149.78
2	24	22.12	39.06	19.04	23.60	17.52	23.80	145.14
2	24	21.72	39.90	18.99	21.84	16.41	23.03	141.89
2	24	25.96	46.27	23.16	26.60	20.31	24.64	166.94
2	24	22.36	39.20	19.53	23.16	18.30	24.92	147.47
2	24	22.16	37.17	20.59	24.04	17.52	25.27	146.75
2	24	22.32	35.42	18.88	23.76	20.01	20.65	141.04
2	24	21.72	36.33	18.11	21.64	15.90	21.63	135.33
2	24	23.04	44.45	21.23	23.72	16.89	23.17	152.50
2	24	22.96	37.80	20.27	23.40	16.68	21.28	142.39
2	24	20.92	36.47	18.22	23.20	16.17	22.33	137.31
2	24	23.20	40.46	21.36	24.08	20.61	25.06	154.77
2	24	26.40	48.09	23.71	24.68	19.11	23.52	165.51
1	23	21.96	38.01	19.92	23.60	18.30	23.52	145.31
2	21	23.52	42.91	21.30	23.24	18.60	22.61	152.18
2	24	21.52	38.01	18.96	22.92	18.03	22.40	141.84
2	24	24.84	38.71	19.81	24.48	18.39	24.57	150.80
2	24	24.96	40.53	19.44	21.24	19.02	22.75	147.94
2	24	25.64	40.60	21.02	24.80	20.67	22.75	155.48
2	24	24.60	42.70	21.83	25.68	19.20	23.73	157.74
2	24	23.92	39.55	19.54	21.48	16.53	22.68	143.70
2	24	25.96	45.22	23.58	25.88	17.64	23.45	161.73
2	24	24.92	38.99	20.87	22.76	18.33	24.57	150.44
2	24	24.92	46.06	23.08	23.84	18.84	24.15	160.89
2	24	21.72	42.49	20.93	22.40	17.52	23.17	148.23
2	9	22.96	37.59	19.09	21.20	17.13	25.27	143.24
2	24	22.36	34.93	17.79	22.76	18.90	23.87	140.61
2	24	22.56	39.76	20.11	23.20	17.01	24.71	147.35
2	24	25.12	42.91	21.85	26.28	18.42	23.17	157.75
2	24	23.56	36.19	19.33	23.28	16.95	21.91	141.22
2	24	22.08	(a)	(a)	24.28	18.18	24.01	Inc.
2	24	23.48	42.42	21.66	24.88	18.99	22.96	154.39

Merit roll of the midshipmen of the present second class (class of 1932), for the

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
59	Reiter, Harry Lee, jr.	Colorado	July 17, 1928	18	7
222	Rhoads, Norwood Brouse, jr.	Louisiana	do	19	9
271	Rice, George Frank	New Hampshire	June 18, 1928	19	1
114	Richards, William LeRoy	Missouri	July 9, 1928	17	6
274	Roach, John Paul	Texas	June 28, 1928	18	10
351	Robards, William Camp Fitz-Hugh	At large (Pres.)	June 14, 1928	17	6
195	Röblin, Robert Downing	New York	June 15, 1928	17	3
179	Rogers, George Pearsall	Alabama	June 16, 1928	18	11
232	Rooney, George Arthur	Kansas	June 22, 1928	16	6
439	Rosen, Charles	do	June 14, 1928	19	8
261	Ross, Robert Davis	Ohio	June 15, 1928	20	0
361	Roudebush, Jack	California	July 2, 1928	18	1
296	Rounds, Horace Priest	Massachusetts	July 9, 1928	19	2
400	Ruble, Harold Eustace	Minnesota	June 23, 1928	19	9
*3	Ruckner, Edward Aberle	New Jersey	July 9, 1928	18	8
65	Ruhlman, Fred Lee	Nebraska	June 14, 1928	19	3
318	Sampson, Norman John	Connecticut	July 9, 1928	18	9
143	Sargent, Harold Lazelle	Missouri	June 28, 1928	17	7
328	Schall, Thomas Douglas, jr.	Minnesota	July 23, 1928	17	11
359	Scherini, Otto Axel	Washington	Aug. 13, 1928	19	0
169	Schmidt, Maximilian Gmelich	Missouri	June 14, 1928	19	3
184	Schroeder, William Paul	Michigan	June 29, 1928	19	6
*4	Schultz, Floyd Bernard	do	June 15, 1928	17	6
364	Schwartz, Isador Joseph	Pennsylvania	June 29, 1928	19	6
*10	Schweitzer, Earl Snowden	do	Aug. 2, 1928	17	4
53	Scott, David Darwin	South Dakota	June 25, 1928	16	5
449	Scott, Reader Clarence	Illinois	July 6, 1928	18	11
267	Seager, John Wesley, jr.	Minnesota	June 18, 1928	20	2
269	Seely, Harry Woodworth	New York	Sept. 28, 1928	19	1
7429	Severs, Hugh Barret	Kentucky	Aug. 31, 1928	20	2
55	Shaw, Spencer Loraine	South Carolina	June 22, 1928	17	4
412	Shea, John Dwight	West Virginia	July 9, 1928	17	5
197	Shelton, Howard Edward, jr.	Kentucky	June 22, 1928	18	4
131	Shinn, Allen Mayhew	California	July 11, 1928	20	1
198	Short, William Byfield, jr.	New York	June 15, 1928	19	5
438	Short, Wallace Clark, jr.	do	July 23, 1928	19	4
407	Shovestul, Paul James	Pennsylvania	June 28, 1928	19	3
252	Shunway, DeWitt Wood	New York	June 21, 1928	18	8
104	Silverstein, Max	Illinois	June 18, 1928	17	4
187	Simmers, Clayton Rogers	Pennsylvania	June 16, 1927	19	8
28	Simpson, Robert Tate	Texas	Sept. 1, 1928	20	0
188	Slayden, Alvin Weems	Tennessee	June 22, 1928	19	2
91	Small, Selden Clobridge	New York	June 15, 1928	18	5
293	Smiley, Clare Brown	Alabama	June 22, 1928	16	5
437	Smith, Charles Hubert	Georgia	June 15, 1928	17	8
379	Smith, Daniel Fletcher, jr.	Texas	Sept. 1, 1928	18	5
120	Smith, Howard Elmer	New York	June 16, 1928	16	11
326	Smith, John Bernard	Massachusetts	June 22, 1928	19	3
.19	Smith, James Gene	Missouri	June 18, 1928	17	11
396	Smith, Lawrence	New York	June 25, 1928	19	5
133	Smith, Levering	Illinois	June 18, 1928	18	3
174	Smith, Lewis Oscar, jr.	West Virginia	June 15, 1928	17	7
211	Smith, Reynolds C.	Michigan	do	19	3
219	Smyth, Lawrence William	Indiana	June 18, 1928	19	2
278	Snowden, Ernest Maynard	North Carolina	June 29, 1928	17	1

second year of their academic course, 464 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate second year
		Maximum						
Months	Days	32	56	28	32	24	28	200
2	24	24.68	46.27	22.72	24.80	20.16	23.52	162.15
2	24	23.76	39.83	20.44	23.40	17.43	24.50	149.36
2	24	23.84	38.85	20.02	22.80	18.06	23.17	146.74
2	24	25.60	43.33	22.07	24.12	18.87	22.75	156.74
2	24	23.32	38.50	19.58	24.12	18.12	22.96	146.60
2	24	24.45	37.03	20.34	23.84	15.81	21.63	142.93
2	24	24.96	37.87	20.97	24.52	18.54	23.80	150.66
2	24	23.64	41.16	20.40	24.12	18.48	23.52	151.32
2	24	23.80	41.30	20.46	21.56	17.43	24.22	148.77
2	24	21.00	33.60	17.88	23.84	17.07	22.89	136.28
2	24	22.12	39.97	19.69	25.96	16.83	22.47	147.04
1	23	21.96	37.59	18.91	22.72	18.57	22.68	142.43
2	24	22.56	37.94	19.88	23.16	18.24	23.80	145.58
2	24	22.56	37.80	19.65	21.92	15.87	22.19	139.99
2	24	27.36	53.90	25.91	25.44	20.73	25.20	178.54
2	24	27.76	43.75	22.51	25.64	18.27	23.38	161.31
2	24	23.20	37.17	20.07	21.92	18.54	23.59	144.49
2	24	24.64	39.48	21.63	25.40	18.96	24.01	154.12
2	24	24.12	38.15	19.49	23.12	19.05	19.95	143.88
2	24	21.08	37.45	19.40	21.96	20.52	22.05	142.46
2	24	25.24	39.76	20.10	23.88	17.94	25.13	152.05
2	24	23.72	38.71	20.95	23.36	20.76	23.73	151.14
2	24	27.80	51.38	26.13	27.48	21.06	24.50	178.35
2	24	23.16	36.82	19.06	23.36	15.90	24.08	142.38
2	24	26.96	53.13	26.05	24.48	23.19	22.19	176.00
2	24	26.52	45.71	23.45	24.72	18.90	23.45	162.75
2	24	22.48	35.21	17.90	21.68	15.57	22.47	135.31
2	24	24.32	37.66	19.98	24.60	16.74	23.59	146.89
5	15	21.96	37.17	19.11	25.32	18.63	24.57	146.76
2	24	22.80	36.82	18.16	22.20	15.21	22.54	137.73
2	24	25.56	47.74	24.35	25.68	17.07	22.12	162.52
2	24	22.00	37.45	18.43	23.44	16.02	21.77	139.11
1	8	25.24	39.83	20.47	21.92	18.00	25.13	150.59
2	24	23.00	41.16	20.60	25.56	21.93	23.03	155.28
2	24	24.28	39.34	20.02	24.28	18.39	24.22	150.53
2	24	21.80	37.17	18.11	20.84	15.84	23.03	136.43
2	24	23.16	35.84	18.11	22.36	16.53	23.45	139.45
2	24	22.68	38.57	20.22	24.36	17.61	24.22	147.66
2	24	23.76	46.06	21.66	24.48	18.87	22.54	157.37
5	15	26.64	37.24	20.28	26.40	17.34	23.17	151.07
2	24	27.76	45.57	24.86	24.28	20.01	25.34	167.82
2	24	24.40	42.00	21.11	22.84	18.30	22.40	151.05
2	24	24.36	41.86	22.58	25.40	19.74	24.08	158.02
2	24	22.24	38.71	19.99	23.84	17.55	23.38	145.71
2	24	21.36	36.05	18.56	22.60	16.20	21.70	136.47
2	24	21.00	37.31	19.24	23.16	17.43	23.24	141.38
2	24	23.16	39.76	21.44	27.24	20.67	23.87	156.14
2	24	21.84	38.15	20.16	23.16	17.85	22.96	144.12
2	24	21.76	37.94	19.05	21.60	16.53	21.84	138.72
2	9	23.52	36.61	19.04	21.76	15.69	23.80	140.42
2	24	23.40	43.61	23.04	25.00	17.91	22.12	155.08
2	24	23.60	40.04	21.36	25.48	17.28	23.73	151.49
2	24	25.52	40.88	20.55	22.80	16.29	23.87	149.91
2	24	23.52	40.81	20.33	24.48	17.88	22.47	149.49
2	24	23.48	39.83	20.17	22.04	16.86	24.08	146.46

Merit roll of the midshipmen of the present second class (class of 1932), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
362	Snyder, Philip Leroy	Ohio	July 9, 1928	18	3
*9	Sosnoski, Harry	do	June 28, 1928	20	1
54	Soule, Rufus Albertson, 3d	Massachusetts	June 18, 1928	18	6
49	Spangler, John Gilmore	Nebraska	July 9, 1928	19	8
379	Speer, John Orin	Pennsylvania	June 28, 1928	20	1
150	Spiers, John Isidore Randall	New Jersey	July 31, 1928	16	11
266	Stannard, Wilford Tennyson	Connecticut	June 28, 1928	18	8
181	Starr, Marvin Tipton	Washington	June 29, 1928	19	10
330	Stevenson, Gilbert Northrop	Nebraska	June 21, 1928	17	11
47	Stoner, Howard Fletcher	Indiana	June 22, 1928	17	8
335	Strickler, Robert Lawrence	Oklahoma	Sept. 1, 1928	18	11
334	Stuert, William Aurand	West Virginia	July 6, 1928	18	8
142	Sugarman, Charles Maurice	Oregon	Aug. 7, 1928	18	9
48	Sunderland, Morton	At large (Pres.)	June 14, 1928	17	5
416	Sutton, John Joseph	Illinois	July 6, 1928	19	3
170	Tagg, William Leonard	Nebraska	do	17	6
366	Taylor, Ennis Walter	Texas	June 28, 1928	19	10
426	Tennent, John Gardner, 3d	At large (Pres.)	June 14, 1928	18	6
84	Thomas, Donald Irving	Virginia	June 22, 1928	18	3
259	Thomas, James Alfred	Ohio	June 28, 1928	18	11
283	Thompson, Forest Carson	Indiana	June 18, 1928	19	9
282	Thompson, Joseph	Maine	June 22, 1928	16	11
r204½	Threlkel, Frank Hays	Kentucky	July 20, 1927	17	4
453	Todd, Kenneth Stanley	Connecticut	June 15, 1927	18	10
207	Toft, James Cecil, jr.	New Jersey	June 18, 1928	19	6
422	Townsend, Harry Edson	New York	June 15, 1928	18	10
83	Townsend, William Edward	Ohio	July 30, 1928	18	7
356	Tschirgi, Harvey Curtis	Iowa	June 29, 1928	20	2
308	Tucker, Augustine John, 2d	Pennsylvania	June 21, 1928	18	10
191	Turton, Howard Johnson	Connecticut	July 16, 1928	18	1
415	Tuttle, Magruder Hill	North Carolina	June 28, 1928	19	11
84	Underwood, Gordon Waite	Oregon	July 9, 1928	18	1
346	Underwood, Robert DuBois	At large (Pres.)	June 18, 1928	16	9
296	Uttar, Harmon Tischer	Ohio	June 22, 1928	18	10
180	Vandling, Robert Edward	Pennsylvania	July 17, 1928	18	11
88	Van Evera, John Rynier	Minnesota	June 29, 1928	16	10
244	Van Every, Salem Augustus, jr.	North Carolina	July 9, 1928	17	7
251	Vanous, William Winfield	Maryland	June 28, 1928	19	3
r*15	Van Slyke, Francis Allen	Michigan	June 14, 1928	17	11
392	Van Slyke, John Rosser	Texas	June 19, 1928	18	2
356	Vaughan, Frederick Owen	P. A. 348 (Pres.)	June 15, 1928	19	8
340	Vaughan, John	Michigan	July 26, 1928	17	11
248	Vorpahl, Arthur Henry	Wyoming	June 22, 1927	19	6
389	Vrooman, William Tayler	New York	June 19, 1928	17	7
202	Wagnon, Lucien Edward	South Carolina	do	19	5
*2	Ward, Alfred Gustave	Alabama	June 28, 1928	19	7
246	Warder, Thomas Grayston	West Virginia	June 25, 1928	17	9
186	Warfield, Thomas Glover	Nebraska	July 6, 1928	18	10
*11	Waters, Odale Dabney, jr.	Virginia	July 9, 1928	18	0
450	Weaver, Donald Andrew	Indiana	June 17, 1927	18	1
38	Weeks, Robert Harper	Massachusetts	June 14, 1928	18	6
103	Wellings, Albert Aloysius	do	Aug. 10, 1928	19	7
*8	Weschler, Charles John	Pennsylvania	July 7, 1928	19	0
403	West, John Taliaferro	Maryland	July 16, 1928	18	11
182	Weston, Wallace Humphrey	Maine	June 22, 1928	19	11

second year of their academic course, 464 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate second year
		Maximum						
Months	Days	32	56	28	32	24	28	200
2	24	20.92	36.26	19.16	23.36	19.38	23.31	142.39
2	24	27.20	49.63	25.18	27.72	21.15	25.13	176.01
2	24	25.36	45.22	22.48	25.04	20.79	23.80	162.69
2	24	27.52	46.69	21.21	24.28	18.81	24.57	163.08
2	24	22.00	36.40	19.93	22.04	17.28	23.73	141.38
2	24	23.60	40.60	21.53	25.04	20.31	22.54	153.62
2	24	22.04	37.59	20.23	22.52	19.89	24.71	146.98
2	24	24.36	41.37	21.54	23.20	17.76	23.03	151.26
2	24	22.44	38.57	20.20	23.24	19.29	20.02	143.76
2	24	25.00	47.32	24.70	24.80	18.21	23.45	163.48
2	24	21.04	36.96	18.31	23.36	19.83	24.01	143.51
2	24	24.16	39.55	19.77	21.52	15.93	22.68	143.61
2	24	24.40	43.33	21.15	23.12	18.30	23.94	154.24
2	24	26.80	45.01	23.51	26.68	18.15	23.31	163.46
2	24	22.08	36.61	19.33	22.52	17.64	20.72	138.90
2	24	25.76	38.43	20.57	24.68	18.63	23.73	151.80
2	24	21.36	35.84	18.44	26.00	16.65	23.87	142.16
2	24	22.88	35.63	18.50	22.68	15.84	22.54	138.07
2	24	24.84	38.92	22.33	28.28	21.21	23.31	158.89
2	24	22.96	40.18	19.46	23.52	20.10	20.93	147.15
2	9	23.28	40.18	20.31	22.12	16.68	23.73	146.30
2	24	22.44	39.41	19.12	23.52	17.52	24.36	146.37
2	21	24.16	39.90	21.23	23.04	18.99	22.96	150.28
2	9	21.08	35.91	18.38	22.72	17.13	19.46	134.68
2	24	25.96	39.34	20.92	24.04	17.04	22.89	150.19
2	24	22.84	35.91	18.47	21.64	15.87	23.66	138.39
2	24	25.48	42.84	21.25	26.56	19.29	23.66	159.08
2	9	22.68	38.57	20.26	22.44	16.35	22.96	150.28
2	24	23.52	38.78	19.36	23.52	16.38	23.31	144.87
2	24	24.04	39.13	20.83	24.84	19.56	22.61	151.01
2	9	22.32	37.03	18.97	21.64	15.93	23.17	139.06
2	9	26.44	44.52	22.52	24.52	19.05	21.84	158.89
2	24	22.84	37.87	20.64	22.44	17.16	22.19	143.14
2	24	23.60	38.36	20.40	22.32	17.52	23.38	145.58
2	24	26.08	37.73	20.93	25.68	18.12	22.75	151.29
2	24	25.88	43.26	21.86	25.68	19.17	22.82	158.67
2	24	23.68	38.50	18.87	23.24	21.06	22.68	148.03
2	24	23.68	40.39	22.27	22.56	16.92	21.91	147.73
2	24	26.64	53.20	25.83	25.36	19.02	21.84	171.89
2	24	23.44	35.42	18.94	22.52	16.98	23.38	140.68
2	24	21.20	37.94	19.88	22.68	17.55	23.31	142.56
2	24	24.40	36.47	18.61	24.32	17.55	21.91	143.26
5	15	23.04	39.20	19.55	22.12	19.74	24.15	147.80
2	24	22.56	36.19	18.50	24.52	17.58	21.70	140.85
2	24	22.40	39.76	21.21	23.00	19.77	24.22	150.36
2	24	27.52	52.43	25.38	27.28	20.79	25.41	178.81
2	24	23.04	38.71	20.45	24.16	17.94	23.66	147.96
2	24	25.12	40.88	20.57	22.44	17.64	24.43	151.08
2	24	26.64	48.65	25.43	27.04	20.79	25.20	173.75
2	24	21.36	37.10	18.69	20.28	17.40	20.30	135.13
2	24	26.04	44.59	21.96	27.24	20.91	25.20	165.94
2	24	25.68	42.14	22.47	24.76	18.78	23.59	157.42
2	24	26.96	49.70	25.48	27.92	21.21	24.92	176.19
2	24	21.76	36.82	18.24	22.56	15.63	24.57	139.58
2	24	24.64	37.66	21.90	26.12	17.67	23.24	151.23

Merit roll of the midshipmen of the present second class (class of 1932), for the

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
97	White, Theodore Harrison	New York	June 19, 1928	19	1
354	Widhelm, William John	Nebraska	July 2, 1928	20	0
440	Wigelius, Frank Edward	Washington	July 17, 1928	19	10
315	Wilder, Ailson Francis Page	North Carolina	June 19, 1928	18	7
357	Wildner, Adolphe	New York	July 3, 1928	17	10
76	Willard, Chauncey Shearer	Florida	June 14, 1928	18	4
237	Williams, Paul Darwin	South Dakota	June 22, 1928	17	6
109	Williams, Richard Claggett, jr	Maryland	Aug. 27, 1928	17	9
175	Williamson, Lindsey	New York	July 9, 1928	19	4
228	Williamson, Marcus William	Minnesota	June 22, 1928	17	9
217	Williamson, Thomas Fort	Alabama	July 9, 1928	16	8
89	Willson, John Joseph	Iowa	Aug. 2, 1928	19	4
322	Wilson, George Rees	Illinois	Aug. 31, 1928	17	11
*13	Wilson, Ronald Lee	do	June 18, 1928	18	7
87	Wilson, Ralph Martin	Pennsylvania	June 15, 1928	20	2
122	Wilson, William Ritchie	Illinois	July 9, 1928	17	6
350½	Winter, William, jr	Michigan	June 21, 1928	18	0
245	Wintle, Jack William	Kansas	June 14, 1928	20	2
344	Witherow, Joseph Francis, jr	California	June 15, 1928	17	11
284	Wolsieffer, Frederick	New Jersey	June 28, 1928	19	11
117	Woodward, Edwin Charles	At large (Pres.)	June 14, 1928	17	9
92	Wylie, Joseph Caldwell, jr	New Jersey	do	17	3
264	Young, Melvin Thayer	Wisconsin	June 22, 1928	19	11
265	Young, Robert Cummings	West Virginia	June 21, 1928	18	8
71	Zink, William Talbott, jr	Maryland	June 30, 1928	18	1

second year of their academic course, 464 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate second year
Maximum								
Months	Days	32	56	28	32	24	28	200
2	24	23.68	45.15	22.13	24.24	18.06	24.50	157.76
2	24	23.32	39.55	19.42	22.00	16.95	21.42	142.66
2	24	21.20	34.72	17.83	21.76	17.73	22.96	136.20
2	24	22.38	38.71	20.34	22.68	16.56	24.01	144.66
2	24	22.52	37.10	19.79	22.76	17.37	22.96	142.50
2	24	26.56	42.98	23.26	25.36	17.55	24.01	159.72
2	24	22.96	41.16	20.79	24.04	18.90	20.72	148.57
2	24	23.24	42.07	21.55	26.24	21.51	22.47	157.08
2	24	25.20	37.73	20.48	24.44	20.31	23.31	151.47
2	24	23.56	38.85	19.74	25.00	19.38	22.61	149.14
2	24	23.72	39.55	20.60	24.60	17.22	23.87	149.56
2	24	25.88	45.29	21.98	23.52	19.35	22.54	158.56
2	24	20.96	37.17	18.36	25.32	19.17	23.31	144.29
2	24	26.60	49.91	25.36	25.28	21.15	24.64	172.94
2	24	23.04	46.13	21.92	26.04	17.88	23.80	158.81
2	24	24.56	40.95	22.24	24.88	19.80	23.31	155.74
2	24	23.88	36.33	19.31	23.40	16.74	23.31	142.97
2	24	23.44	39.20	20.61	24.20	17.16	23.38	147.99
2	24	22.44	35.91	19.12	26.20	19.56	19.95	143.18
2	24	22.32	37.94	19.52	24.64	19.26	22.61	146.29
2	24	25.00	40.88	21.59	25.44	19.83	23.66	156.40
2	24	27.16	40.53	22.22	25.52	18.57	24.01	158.01
1	23	22.40	38.36	20.20	23.40	18.42	24.22	147.00
2	24	24.08	38.43	20.62	22.60	16.41	24.85	146.99
2	24	25.16	45.22	23.52	26.12	18.60	22.05	160.67

Merit roll of the midshipmen of the present third class (class of 1933),

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
342	Abbot, Edward William	Texas	July 13, 1929	18	8
473	Acker, William David, jr.	South Carolina	June 24, 1929	17	9
185	Aiken, William Loughridge	Pennsylvania	July 8, 1929	19	3
68	Albiston, Louis Hathaway	Rhode Island	June 14, 1929	18	4
481	Allen, Russell Bowes	Massachusetts	June 26, 1929	19	5
79	Anderson, Howard Wendell	Minnesota	July 5, 1929	17	11
225	Anderson, Robert Reed	Wisconsin	Sept. 14, 1929	19	2
370	Andrews, Haven Washburn	Vice President	June 20, 1929	19	4
260	Anthony, Robert Zachary Taylor	Tennessee	June 21, 1929	17	3
127	Aponick, Anthony Aloysius	Pennsylvania	July 15, 1929	18	1
101	Arnold, Frank Robert	California	June 14, 1929	18	8
239	Ashworth, Frederick Lincoln	Massachusetts	July 12, 1929	17	6
404	Atherton, Harry Sheldon	do	July 15, 1929	19	6
53	Authier, Edward Eugene	Connecticut	June 13, 1929	18	7
412	Aymett, Julian Graves	Tennessee	June 18, 1929	18	8
300	Bailey, Joslyn Rigby	West Virginia	Aug. 2, 1929	17	11
211	Ballard, Nixon Leslie	Illinois	June 14, 1929	18	4
306	Balterman, George	do	June 24, 1929	17	6
106	Banzhaf, Henry Frederick	Wisconsin	July 5, 1929	17	10
249	Barclay, Kenneth James	Michigan	June 18, 1929	19	6
459	Barker, Christopher Sylvanus, jr.	North Carolina	Aug. 26, 1929	18	0
239	Barlow, Max Edward	Washington	June 18, 1929	19	11
198	Barnes, Stanley Maitland	New Hampshire	July 29, 1929	16	11
282	Barnum, Robert Hudson	New York	June 17, 1929	18	8
380	Barr, James Barbour	do	July 9, 1929	18	6
379	Beam, James Llewellyn	Illinois	June 14, 1929	17	3
320	Beard, Norman Wycliffe	Tennessee	June 29, 1929	19	7
113	Beard, Thomas Wilson	Kentucky	June 14, 1929	18	6
391	Bedell, Porter Fryman	Texas	June 20, 1929	17	11
507	Belcher, Preston Randolph	Illinois	July 11, 1929	19	2
183	Bellinger, William Cotesworth Pinckney, jr.	South Carolina	June 15, 1928	18	11
96	Bennett, Carter Lowe	Tennessee	July 5, 1929	19	11
144	Bertolet, Samuel	Pennsylvania	June 19, 1929	18	10
245	Best, Ethridge Charles	Texas	July 16, 1929	19	1
*24	Bethia, James Stephen	Arizona	June 14, 1929	17	10
77	Bewick, James Voigt	Missouri	June 18, 1929	19	0
364	Beyer, Aaron Frederick, jr.	Pennsylvania	June 22, 1929	17	7
435	Bierer, Howard Troutman	Oklahoma	July 1, 1929	17	4
177	Bird, Horace Virgil	do	July 11, 1929	17	1
223	Bitterman, David Eugene	Pennsylvania	July 9, 1928	18	0
415	Black, Richard Thomas	California	June 28, 1929	18	6
418	Black, Thompson, jr.	New York	June 17, 1929	19	9
364	Blackburn, John Thomas	At large (Pres.)	do	17	0
353	Blakelock, Francis Luke	New York	June 18, 1929	16	3
85	Blatchford, Walter Larned	Vice President	June 20, 1929	19	2
428	Blick, Charles Augustus	New Jersey	do	18	1
94	Blouin, Francis Joseph	Massachusetts	June 13, 1929	18	11
85½	Bobo, Walter Sidney, jr.	Mississippi	July 1, 1929	18	7
448	Bogardus, Burton Willard	California	June 28, 1929	20	1
471	Bolles, Frank Crandall, jr.	Wyoming	June 20, 1929	19	5
141	Bollinger, Walter Henry William	Illinois	June 14, 1929	18	5
*13	Bourland, Joseph Hunt	Texas	June 18, 1929	18	5
*5	Bowen, Harold Gardiner, jr.	California	July 15, 1929	16	9

for the first year of their academic course, 545 members, June, 1930

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
2	23	8.51	23.16	11.76	11.56	9.18	9.99	74.16
2	23	8.49	19.84	11.08	11.04	8.95	11.40	70.80
2	23	10.04	23.44	12.84	11.60	7.94	11.88	77.74
2	23	9.71	24.64	13.28	12.70	10.12	11.76	82.21
2	23	7.77	21.12	10.50	10.88	8.45	11.82	70.54
1	20	8.65	25.04	12.92	12.86	10.27	11.88	81.62
2	23	9.73	23.92	11.02	11.84	8.54	11.76	76.81
2	23	7.61	21.36	12.28	11.80	8.79	11.91	73.75
2	23	9.45	23.04	12.90	11.58	8.46	10.50	75.93
2	23	7.88	23.04	13.98	12.22	10.57	11.64	79.33
2	23	9.04	24.40	12.88	12.60	9.61	11.61	80.14
2	23	9.58	21.56	11.98	11.92	9.94	11.46	76.44
2	23	7.96	20.60	10.66	12.20	10.19	11.55	73.16
2	23	10.57	25.88	13.00	11.42	10.35	11.82	83.04
2	23	7.94	21.64	10.92	11.84	8.86	11.64	72.84
2	23	7.72	22.04	11.60	12.14	10.17	11.43	75.10
2	23	8.76	24.24	12.92	11.80	8.25	11.13	77.10
2	23	8.06	23.12	11.24	11.34	9.83	11.34	74.93
2	23	8.33	24.52	12.96	12.20	10.68	11.22	79.91
2	23	8.85	23.32	11.44	12.02	9.23	11.31	76.17
2	23	8.17	21.12	11.34	10.86	8.03	11.64	71.16
2	23	8.42	22.16	12.36	12.10	9.40	12.00	76.44
2	23	8.40	23.00	13.22	12.28	9.14	11.34	77.38
2	23	8.18	22.28	11.16	11.84	10.18	11.76	75.40
2	23	8.41	21.88	11.04	10.88	9.42	11.94	73.57
2	23	8.43	22.80	11.32	12.54	8.41	10.08	73.58
2	23	8.57	23.16	12.48	11.40	7.87	11.16	74.64
2	23	9.69	24.72	13.00	11.92	9.34	11.04	79.71
2	23	7.73	23.32	10.94	11.42	8.54	11.40	73.35
2	23	7.99	21.08	10.60	10.52	7.25	11.67	69.11
2	23	8.91	23.24	13.28	11.88	8.95	11.52	77.78
2	23	9.59	25.68	12.14	12.36	9.10	11.52	80.39
2	23	8.77	23.00	11.58	13.32	10.06	11.94	78.67
2	23	9.35	23.92	11.66	10.98	9.09	11.28	76.28
2	23	9.75	28.24	13.50	11.94	10.44	11.79	85.66
2	23	10.19	25.84	13.22	12.02	9.40	11.01	81.68
2	23	8.99	21.84	11.60	10.96	8.62	11.79	73.80
2	23	8.53	20.96	10.56	10.90	9.28	11.79	72.07
2	23	9.99	22.56	12.10	12.22	9.29	11.76	77.92
2	23	9.27	23.00	12.46	11.22	9.35	11.55	76.85
2	23	8.44	22.76	11.00	10.98	8.22	11.25	72.65
2	23	8.33	21.92	11.52	11.88	7.80	11.10	72.60
2	23	7.83	23.60	11.06	12.26	9.72	9.33	73.80
2	23	8.93	23.80	10.52	10.84	8.36	11.49	73.94
2	23	9.25	24.32	11.92	13.04	10.60	12.00	81.13
2	23	7.90	21.84	11.56	11.16	8.73	11.11	72.30
2	23	8.35	24.76	12.84	11.92	11.26	11.28	80.41
2	23	9.41	25.16	12.60	12.50	9.43	11.97	81.07
2	23	8.33	21.88	10.20	11.64	7.89	11.76	71.70
2	23	7.65	20.80	10.10	11.12	9.72	11.43	70.82
2	23	9.87	24.28	12.84	11.68	8.63	11.49	78.79
2	23	9.86	28.52	14.24	12.18	10.75	12.00	87.55
2	23	8.96	27.44	14.74	14.90	11.35	11.79	89.18

Merit roll of the midshipmen of the present third class (class of 1933), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
216	Bowen, Robert Oliver	Massachusetts	July 16, 1929	19	2
*27	Bowling, Theodore Cheesborough, jr.	Oklahoma	June 20, 1929	19	10
42	Bowman, Merle Francis	Pennsylvania	June 14, 1929	18	11
381	Breedon, Albert William, 2d	New York	Aug. 26, 1929	19	10
173	Brittan, Theodore Harry	Ohio	June 26, 1929	18	10
514	Brown, Edwards	South Dakota	June 18, 1929	19	4
49	Brown, Francis Elwood	Nevada	June 21, 1929	18	1
164	Brown, James Oliver	Pennsylvania	June 18, 1929	19	6
355	Brown, Maurice Burton	North Dakota	June 17, 1929	18	7
59	Brownrigg, France Herbert	Florida	July 23, 1929	19	4
285	Bruning, Frederick William	New York	July 22, 1929	18	5
388	Buck, Roy Garvin	Iowa	June 14, 1929	19	5
429	Buie, Paul Douglas	Georgia	do	20	2
334	Bulkeley, John Duncan	Texas	June 20, 1929	17	10
*8	Bullock, James Earl	Ohio	July 20, 1929	18	10
325	Bunevich, Irving	New Jersey	June 17, 1929	17	11
210	Burks, Jesse Billy	Alabama	June 25, 1928	19	11
139	Burrow, James Barrington	Florida	June 21, 1929	18	5
90	Burton, Paul Willits	Pennsylvania	June 13, 1929	17	8
125	Caldwell, Clarence Mills	Oklahoma	July 1, 1929	18	9
246	Camera, Robert Snowden	New Jersey	July 5, 1929	20	3
340	Cameron, William Graham	Wisconsin	June 14, 1929	18	6
232	Campbell, Clifford Morgan	Washington	Aug. 26, 1929	20	4
121	Campbell, Ernest Goodrich	Nevada	June 29, 1929	18	1
220	Campbell, James Harry	Arkansas	June 26, 1929	18	1
359	Carter, William Thomas	Illinois	Sept. 17, 1929	19	0
H420	Chambers, Lester Smith	Alabama	July 8, 1929	17	5
*14	Chambliss, Allan McLane	Maryland	July 31, 1929	17	8
392	Champe, Joseph Elbert	West Virginia	July 22, 1929	17	6
36	Chase, Jay Valentine	At large (Pres.)	June 13, 1929	18	7
102	Cheatham, Benjamin Ballard	Florida	June 18, 1929	18	7
482½	Chilton, Edwin Harlan	Oregon	June 28, 1929	18	10
219	Christ, Harold Frank	Wisconsin	June 20, 1929	19	6
181	Christie, Warren Byron	Missouri	do	17	6
123	Christopher, Thomas Aloysius	New Jersey	June 17, 1929	18	1
496	Clark, Albert Hobbs	Maine	do	18	6
333	Clark, Walter Lucas, jr.	Vermont	July 1, 1929	17	3
218	Clementson, Merrill Kinsell	Pennsylvania	Aug. 26, 1929	19	6
116	Climie, James Fraser	Alaska	July 29, 1929	19	10
176	Cobb, James Outterson	California	June 28, 1929	19	6
407	Coffey, William Augustus	West Virginia	July 5, 1929	20	3
453	Cole, Everett Bush	California	June 28, 1929	19	2
325	Coleman, Garrett Steele	do	July 17, 1929	18	6
266	Coleman, Robert Benjamin	New York	July 6, 1929	19	10
487	Conley, William Joseph	Massachusetts	June 21, 1929	19	6
47	Connolly, Thomas Francis	California	July 1, 1929	19	8
214	Conwell, Lester Cameron	Iowa	June 14, 1929	18	8
#502	Cooper, Ernest Greene, jr.	Maryland	do	18	5
227	Copeland, Richard Goodwin	Massachusetts	July 1, 1929	20	3
315	Costello, Joseph Patrick	New York	June 17, 1929	18	1
202	Coye, John Starr, jr.	Delaware	June 14, 1929	18	2
349	Craven, Conrad Winfield	California	June 26, 1929	19	9
500	Crawford, Max Edward	Illinois	June 24, 1929	17	1
184	Crenshaw, William Graves, 3d	Virginia	June 18, 1929	18	8
h494	Criswell, Robert Parker	California	June 14, 1929	19	9

first year of their academic course, 545 members, June, 1930—Continued

Sea service in practice ships		Engineering and aero-nautics	Mathem-atics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
2	23	8.32	23.88	12.36	11.34	9.17	11.97	77.04
2	23	9.93	26.60	13.94	12.80	10.62	11.67	85.56
2	23	10.07	25.76	13.20	13.20	9.98	11.76	83.97
2	23	8.49	21.44	10.74	11.58	9.26	12.00	73.51
2	23	9.64	23.40	11.78	12.00	9.58	11.61	78.01
2	23	8.54	20.72	10.20	10.46	7.79	10.80	68.51
2	23	9.42	26.92	13.44	12.92	10.89	9.81	83.40
2	23	9.35	23.40	11.84	12.44	9.43	11.73	78.19
2	23	7.76	22.72	12.48	11.16	9.50	10.29	73.01
2	9	9.65	26.12	13.68	12.30	9.28	11.70	82.73
2	23	8.31	23.72	10.64	11.42	10.22	11.04	75.35
2	23	7.95	22.32	11.60	11.12	8.80	11.61	73.40
2	23	8.67	21.04	10.60	11.98	8.70	11.28	72.27
2	23	8.47	22.16	11.92	11.88	8.17	11.79	74.39
2	23	11.18	27.48	14.12	13.50	10.90	11.19	88.37
2	23	7.90	22.76	11.14	11.64	9.98	11.16	74.58
2	23	9.05	22.12	13.24	12.64	8.88	11.25	77.18
2	23	9.42	22.76	13.14	11.92	10.02	11.70	78.96
2	23	9.05	24.40	13.38	11.54	10.61	11.70	80.68
2	23	8.90	23.68	12.74	11.86	10.19	12.00	79.37
2	23	8.88	23.12	12.82	10.98	8.56	11.88	76.24
2	23	9.04	22.36	11.88	11.16	8.06	11.67	74.17
2	23	9.35	23.24	12.30	10.96	8.76	12.00	76.61
2	23	9.43	24.72	11.66	12.76	9.18	11.73	79.48
2	9	7.64	22.96	12.08	13.24	9.36	11.67	76.95
2	23	9.41	22.96	11.28	11.04	8.71	10.47	73.87
0	0	8.02	22.64	12.34	11.34	6.54	11.70	72.58
2	23	8.65	28.72	14.10	13.82	10.39	11.70	87.38
2	23	7.84	21.16	10.50	11.74	10.55	11.55	73.34
2	23	9.53	28.68	13.30	11.80	10.84	10.20	84.35
2	23	8.68	25.24	12.68	11.56	9.97	11.97	80.10
2	23	7.67	20.60	10.52	11.56	8.85	11.31	70.51
2	23	8.12	23.32	12.58	11.60	9.46	11.91	76.99
2	23	8.94	22.96	12.54	11.96	9.77	11.64	77.81
2	23	8.83	25.12	12.36	11.46	9.97	11.67	79.41
2	23	7.70	20.36	11.12	10.86	8.17	11.55	69.76
2	23	7.82	21.72	11.78	11.88	9.32	11.88	74.40
2	23	8.76	23.24	12.56	11.66	9.11	11.67	77.00
2	23	8.59	24.08	13.86	11.30	10.19	11.61	79.63
2	23	10.10	22.88	11.56	12.18	9.68	11.58	77.98
2	23	8.98	21.48	10.98	11.86	8.00	11.79	73.09
2	23	7.86	22.08	10.94	10.94	8.25	11.46	71.53
2	23	8.07	22.40	11.38	11.40	9.45	11.88	74.58
2	23	8.23	22.20	11.90	12.14	9.86	11.49	75.82
2	23	8.50	20.44	10.82	10.60	8.23	11.67	70.26
2	23	8.90	25.76	13.62	13.32	11.67	10.44	83.71
2	23	8.91	23.00	12.54	11.76	9.05	11.79	77.05
2	23	8.98	21.00	10.46	9.92	7.97	11.16	69.49
2	23	8.44	22.88	11.84	12.34	9.13	11.94	76.77
2	23	8.02	22.40	11.26	11.34	10.18	11.55	74.75
2	23	9.48	24.20	12.44	11.22	8.73	11.22	77.29
2	23	8.28	21.84	11.64	11.86	9.07	11.37	74.06
2	23	8.40	21.12	10.48	11.48	7.72	10.32	69.52
2	23	8.35	21.72	12.78	13.02	9.97	11.91	77.75
2	23	7.60	21.84	11.04	10.20	7.50	11.79	69.97

Merit roll of the midshipmen of the present third class (class of 1933), for the

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of ad- mission	Age at date of admission	
				Years	Months
204	Croghan, John Alvin	New York	June 22, 1928	19	11
361	Cronin, Paul Christopher	New Jersey	June 17, 1929	19	8
294	Cumming, David Robert	Georgia	June 15, 1929	19	11
140	Cundiff, Charles Reed	Kentucky	Aug. 26, 1929	20	2
*15	Curtis, Robert William	Michigan	June 13, 1929	18	10
*17	Curtze, Charles August	Pennsylvania	June 14, 1929	18	2
525	Cygon, John Armstrong	Kansas	June 20, 1929	17	0
298	Davenport, Edgar Monroe	California	July 5, 1929	19	7
356	Davenport, Roy Milton	Kansas	June 14, 1929	20	0
390	Davis, David William, jr.	Idaho	do	19	6
45	Davis, Lewis Milton, jr.	New York	June 20, 1929	19	0
421	Davis, Nathaniel Burt, jr.	Massachusetts	July 1, 1929	17	10
224	Davis, Ray	Louisiana	do	17	2
264	Dawes, Robert Alden, jr.	At large (Pres.)	June 13, 1929	17	7
69	Dawson, William Lockhart	Florida	do	19	3
323	DeMaria, Matthew	New Jersey	June 24, 1929	19	0
415	Denny, James Beattie	Kentucky	June 14, 1929	19	5
329	Denton, William Thomas	Texas	June 13, 1929	18	4
182	Derickson, Richard Barnett, jr.	Washington	June 21, 1929	19	9
436	Dew, Irvin Lowell	Oregon	June 18, 1929	18	10
41	Dietz, James Stratton	Ohio	July 1, 1929	18	3
97	Dillon, John Richard	Maine	July 15, 1929	18	4
153	Dillon, Richard Joseph, jr.	New York	June 22, 1929	17	10
439	Dolan, Francis Arliegh	Minnesota	June 17, 1929	18	5
*524	Donovan, Milton Daniel	California	Sept. 26, 1929	19	8
137	Drake, Francis Rodman	Oklahoma	June 18, 1929	20	0
468	Drescher, Carl George	Illinois	July 15, 1929	18	9
279	Driver, Orvil Leonard	California	June 28, 1929	18	2
50	Drustrup, Norman James	At large (Pres.)	June 13, 1929	17	1
313	Duff, Howard Carlton	Texas	do	19	0
492	Duke, Paul Douglas	North Carolina	July 5, 1929	18	1
251	Dunagan, Glenn Lewis	New Mexico	June 25, 1929	19	11
130	Duncan, Charles Kenney	Kentucky	June 14, 1929	17	6
262	Duncan, Turner Alonzo	Missouri	Aug. 26, 1929	19	8
192	Easton, Willard Arnold	Rhode Island	do	19	1
470	Eberhardt, Joseph	New Jersey	June 26, 1929	20	1
74	Edwards, Albert Earl	Nevada	July 11, 1929	17	9
106	Elder, Adrian Maxwell	Iowa	June 24, 1929	17	9
167	Elliott, James Meacham	Michigan	June 13, 1929	20	2
493	Ellis, Paul Darnell, jr.	Georgia	June 20, 1929	17	11
206	Ellison, James McMechan, jr.	Missouri	Aug. 26, 1929	19	5
444	English, Richard Barker	Pennsylvania	June 18, 1929	18	5
257	Enright, Joseph Francis	North Dakota	June 17, 1929	18	9
352	Erck, Leo Herman	Nebraska	June 24, 1929	19	10
196	Erwin, William Edward, jr.	Colorado	June 19, 1929	20	3
172	Espenas, Arthur Krag	New York	June 13, 1929	19	6
214	Fair, Robert Eli	Ohio	Aug. 16, 1929	18	3
*526	Farrow, Wayne Lewis	California	June 28, 1929	19	9
312	Ferguson, Glover Trenholm	Maryland	Aug. 27, 1929	17	2
370	Ferguson, James DuGue	do	July 2, 1929	18	10
376	Fernald, Frank Stanford	Texas	July 16, 1928	19	9
162	Fielder, Charles William	Kansas	June 28, 1929	19	5
290	Fleischli, Clarence Aloysius	Illinois	June 29, 1929	19	3
111	Foerster, Robert Samuel	do	July 5, 1929	18	4
243	Foote, Hugie Lee, jr.	Mississippi	June 25, 1929	17	9

first year of their academic course, 545 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
2	23	8.37	21.96	11.92	12.24	11.34	11.43	77.26
2	9	8.29	21.92	11.54	11.36	9.21	11.52	73.84
2	23	8.70	21.64	11.22	12.44	9.92	11.28	75.20
2	23	10.53	23.76	13.98	10.80	9.16	10.68	78.91
2	9	11.14	26.92	13.84	12.98	10.39	11.91	87.18
2	23	10.45	27.52	14.10	12.88	10.39	11.73	87.07
2	23	7.96	20.44	10.24	10.34	7.67	10.29	66.94
2	23	8.38	21.92	10.92	12.12	10.52	11.28	75.14
2	23	9.73	23.84	10.90	10.08	7.54	11.79	73.88
2	23	8.87	22.52	11.54	10.48	8.10	11.85	73.36
2	23	10.42	24.16	13.52	12.86	11.31	11.52	83.79
2	23	8.44	21.80	11.58	10.62	8.26	11.79	72.49
2	23	8.08	23.00	13.02	12.32	8.97	11.43	76.82
2	23	8.61	21.92	10.86	12.36	10.70	11.40	75.85
2	9	9.70	24.68	13.60	12.04	10.29	11.88	82.19
2	23	8.43	21.60	11.74	11.86	9.21	11.76	74.60
2	9	7.88	22.08	10.62	11.80	8.42	11.85	72.65
2	23	8.10	22.68	12.42	11.20	8.71	11.43	74.54
2	23	9.79	22.20	10.98	12.30	10.64	11.88	77.79
2	23	7.71	20.60	10.48	12.14	9.31	11.79	72.03
2	23	9.20	25.56	13.76	14.00	10.19	11.34	84.05
2	23	9.13	24.84	12.46	12.48	9.58	11.88	80.37
2	23	9.02	24.40	11.80	11.48	10.06	11.70	78.46
2	23	8.23	21.12	11.18	11.58	8.33	11.49	71.93
0	0	7.64	19.80	9.88	10.46	7.69	11.55	67.02
2	23	9.18	23.72	12.18	12.00	10.18	11.76	79.02
2	23	8.06	20.40	11.04	11.76	8.05	11.58	70.89
2	8	7.73	22.44	11.00	12.48	10.13	11.67	75.45
2	23	9.05	24.72	12.80	13.50	11.28	11.85	83.20
2	23	8.07	22.36	10.98	12.72	8.88	11.76	74.77
2	23	7.65	21.16	10.86	10.70	8.19	11.52	70.08
2	9	8.77	23.12	12.02	11.18	9.75	11.28	76.12
2	23	8.59	23.48	12.64	12.66	10.30	11.58	79.25
2	23	9.40	22.56	11.64	11.72	8.75	11.85	75.92
1	20	10.09	22.16	11.58	11.80	10.54	11.43	77.60
2	23	8.46	20.20	11.76	10.32	8.66	11.43	70.83
2	23	10.27	25.00	13.24	11.68	10.05	11.58	81.82
2	23	8.72	23.84	12.36	13.08	10.09	11.82	79.91
2	23	8.84	22.96	12.38	12.64	9.58	11.73	78.13
2	23	7.68	21.12	10.46	11.12	7.92	11.70	70.00
2	23	8.71	24.88	12.26	11.18	8.38	11.82	77.23
2	23	9.42	21.28	10.38	10.24	8.93	11.58	71.83
2	23	8.80	23.48	12.40	11.36	8.14	11.85	76.03
2	9	8.54	21.64	11.62	11.32	9.21	11.70	74.03
2	23	8.86	22.72	12.50	11.72	9.97	11.76	77.53
1	20	9.57	24.16	12.36	11.04	9.05	11.85	78.03
2	23	9.18	23.92	12.48	10.70	9.13	11.64	77.05
0	0	7.57	18.84	9.48	11.58	7.81	11.37	66.65
2	23	7.78	22.48	11.42	11.86	9.40	11.85	74.79
2	23	8.42	21.40	10.80	11.92	9.56	11.65	73.75
2	23	8.75	21.68	10.92	11.18	9.68	11.46	73.67
2	23	8.16	24.01	12.84	12.34	9.49	11.34	78.21
2	23	7.97	22.00	11.76	13.46	8.95	11.13	75.27
2	23	9.83	24.01	12.68	11.78	9.78	11.67	79.78
2	23	9.68	23.40	12.98	11.92	7.72	10.62	76.32

Merit roll of the midshipmen of the present third class (class of 1933), for the

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of ad- mission	Age at date of admission	
				Years	Months
44	Fortune, James Hunter, jr.	Ohio	June 18, 1929	18	0
89	Fortune, William Charles	New York	July 15, 1929	18	4
359	Foster, Everett Joseph	California	June 21, 1929	18	10
362	Fowler, Oliver Noah	Texas	June 18, 1929	17	10
100	Fox, Henry Hugo, jr.	Missouri	June 17, 1929	16	5
234	Franklin, James Gilbert	Pennsylvania	June 20, 1929	17	11
485	Fredericks, Edward Herman Charles	North Dakota	do	17	4
235	Fritter, Charles Taylor	Ohio	July 11, 1929	19	11
292	Fuller, Donald Walker	Massachusetts	June 17, 1929	18	3
363	Fulmer, Herbert Samuel, jr.	Missouri	July 5, 1929	17	1
345	Fulton, Raymond Lester	Pennsylvania	June 14, 1929	19	1
155	Funk, William Glunt	Colorado	June 24, 1929	18	6
283	Fusselman, Raymond Dennis	Ohio	June 18, 1929	18	9
*31	Galantin, Ignatius Joseph	Illinois	June 13, 1929	18	9
*1	Gallagher, Robert Anthony	Pennsylvania	June 18, 1929	19	4
131	Gallagher, Antone Renkl	Georgia	July 5, 1929	19	11
292	Gallery, Joseph Daniel	Massachusetts	July 9, 1929	17	5
73	Gambling, Norman William	New Jersey	July 8, 1929	18	6
62	Gamon, John Arthur, jr.	Illinois	June 14, 1929	18	10
58	Garnett, Philip Weaver	do	June 20, 1929	18	0
*4	Garrels, Robert Ernest	California	June 13, 1929	19	11
249½	Garrison, Charles Ford	At large (Pres.)	July 12, 1929	18	6
148	Garrott, Martin Ruch	New York	July 1, 1929	18	3
469	Garth, Craig Ransom	Missouri	June 18, 1929	19	11
274	Gazlay, Richard Clarke	Illinois	July 1, 1929	19	8
520	Geist, John Willard	Pennsylvania	June 26, 1929	20	0
*22	Gibbons, Robert Martin	do	June 21, 1929	19	4
201	Gill, Frank Benton	Nevada	June 18, 1929	18	8
203	Glenn, Elmer Ford	Oregon	June 28, 1929	19	9
348	Gorman, Verne Dwight	Nebraska	June 18, 1929	18	11
109	Grady, James Bizzell	North Carolina	July 5, 1929	19	6
389	Graham, Luther Boyd	West Virginia	do	19	6
446	Grant, Carl Edward	Vermont	July 8, 1929	18	1
463	Green, John Cawley	P. A. 348 (Pres.)	June 24, 1929	19	4
445	Gregor, George Donald	Pennsylvania	July 16, 1929	19	4
299	Grikscheit, Henry William	Michigan	July 15, 1929	18	5
455	Grimm, Edward Elias	Pennsylvania	July 8, 1929	18	7
*26	Grubbs, DeWitt Clinton Tucker, jr.	Kentucky	June 21, 1929	18	9
105	Hagemeister, Bruce Frederick	Nebraska	June 28, 1929	19	5
103	Hahn, Henry Bentley	Texas	do	19	3
i152	Hamer, John Byron	Maryland	Aug. 26, 1929	20	1
h	Hampton, Isaiah Martin	Texas	June 18, 1929	18	8
86	Hanson, Murray	New Mexico	July 11, 1929	18	8
167	Happel, Frank Alexander	Maryland	July 5, 1929	18	4
343	Harby, Donovan Bowman	South Carolina	June 21, 1929	17	7
63	Hardman, Ward Forrest	Missouri	June 20, 1929	17	0
138	Harper, Richard Vaughan	do	June 13, 1929	18	7
h	Harper, Thaddeus Stevens, jr.	do	June 17, 1929	19	2
482	Harris, Everett John	Indiana	June 22, 1929	17	8
157	Hartley, Kenneth James	New York	June 13, 1929	19	3
303	Hartman, Irvin Swander	Indiana	July 5, 1929	17	10
65	Haskins, Enrique D'Hamel	New York	June 13, 1929	17	4
82	Hastings, Burden Robert	Indiana	June 20, 1929	18	11
61	Hatcher, Julian Sommerville, jr.	At large (Pres.)	June 14, 1928	17	1
510	Haworth, Karl Frederick	Massachusetts	do	19	0

first year of their academic course, 545 members, June, 1930—Continued

Sea service in practice ships		Engineering and aero-nautics	Mathem-atics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
2	23	9.41	27.20	18.70	12.56	9.14	11.88	83.89
2	23	8.94	25.00	12.44	12.70	9.92	11.73	80.73
2	23	8.21	22.16	11.14	11.96	8.88	11.52	73.87
2	23	9.09	22.08	12.32	10.46	7.91	11.97	73.83
2	23	10.04	26.00	11.30	12.12	9.08	11.70	80.24
2	23	9.16	23.92	12.02	11.14	8.65	11.67	76.56
2	23	8.91	20.64	10.36	10.60	8.22	11.64	70.37
2	23	8.28	23.24	12.12	11.82	9.14	11.94	76.54
2	23	8.77	23.56	11.36	11.60	8.68	11.25	75.22
2	23	8.77	22.56	11.84	10.62	9.64	10.38	73.81
2	23	9.42	22.96	11.72	10.38	7.78	11.85	74.11
2	23	9.02	24.56	12.18	12.34	8.70	11.61	78.41
2	23	8.56	23.28	10.60	11.48	10.09	11.37	75.38
2	23	10.37	25.72	12.66	13.14	11.36	11.91	85.16
2	23	10.54	30.68	14.96	12.92	11.57	11.31	91.98
2	23	8.93	25.60	13.16	11.76	8.42	11.34	79.21
2	23	7.95	23.88	10.38	11.46	9.73	11.82	75.22
2	23	8.60	25.44	13.46	13.54	10.87	9.93	81.84
2	23	9.91	26.08	13.12	12.00	9.71	11.73	82.55
2	23	9.89	26.60	11.94	12.34	10.24	11.73	82.74
2	23	11.32	28.72	14.30	12.06	11.08	12.00	89.48
2	23	8.58	22.04	12.06	12.50	9.69	11.28	76.15
2	23	9.13	24.76	11.78	11.26	9.83	11.76	78.52
2	23	7.78	21.00	10.76	11.70	8.15	11.46	70.85
2	23	10.59	21.40	11.02	11.90	8.71	11.97	75.59
0	0	7.62	19.32	10.16	10.94	7.47	11.70	67.21
2	23	10.82	26.56	14.20	12.52	10.74	11.10	85.94
2	23	9.55	23.00	13.02	11.64	8.27	11.88	77.36
2	23	9.14	22.36	11.68	12.08	10.26	11.76	77.28
2	23	8.17	21.80	11.12	11.66	9.52	11.82	74.09
2	23	8.74	25.16	13.28	11.78	9.14	11.76	79.86
2	23	8.92	22.80	11.34	10.92	7.87	11.52	73.37
2	23	8.37	20.72	9.96	11.54	9.65	11.49	71.73
2	23	8.39	20.48	10.72	12.16	8.61	10.68	71.04
2	23	8.02	21.48	10.62	11.22	8.46	11.94	71.74
2	23	10.41	23.00	10.80	11.04	8.26	11.61	75.12
2	23	7.65	20.32	11.10	11.00	9.39	11.85	71.31
2	23	9.61	27.24	13.32	12.22	11.65	11.55	85.59
2	23	9.78	25.52	12.68	11.66	8.87	11.49	80.00
2	23	8.85	25.12	12.08	11.90	10.37	11.76	80.08
2	23	7.55	21.08	11.10	11.44	8.47	11.94	71.58
0	0	(a)	(a)	(a)	(a)	(a)	10.71	Inc.
2	23	9.45	25.08	12.38	12.18	10.95	10.95	80.99
2	9	9.30	23.96	12.26	11.82	9.24	11.55	78.13
2	23	8.57	22.72	11.28	12.22	8.41	10.95	74.15
2	23	9.15	24.60	13.28	13.42	10.57	11.52	82.54
2	23	9.59	24.72	12.90	11.38	8.59	11.79	78.97
0	0	(a)	(a)	(a)	(a)	(a)	11.61	Inc.
2	23	8.65	21.24	10.50	10.58	7.83	11.73	70.53
1	20	9.38	23.44	11.88	12.52	9.26	11.88	78.36
2	23	9.94	23.60	11.06	10.56	8.04	11.79	74.99
2	23	8.37	26.00	13.30	12.86	10.50	11.40	82.43
2	23	8.64	24.56	12.98	12.74	10.43	12.00	81.35
2	23	9.61	24.88	13.74	12.12	10.71	11.55	82.61
2	23	8.45	20.24	11.04	11.58	7.40	10.17	68.88

Merit roll of the midshipmen of the present third class (class of 1933), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
364	Hayden, Eugene Benjamin	Kentucky	July 1, 1929	18	7
382	Hayden, Reynolds Howard	Maryland	July 5, 1929	18	1
275	Heath, Clinton Janes	North Dakota	do	18	10
476	Heileman, Lawrence Frederick	Iowa	June 14, 1929	18	10
*23	Heinz, Luther Carl	Pennsylvania	July 8, 1929	17	1
197	Hessel, John Walter	Ohio	July 1, 1929	17	11
304	Hight, John Milton	Arizona	do	17	10
321	Hills, Bish Charles	Kansas	June 14, 1929	18	10
345	Hird, Robert Calvin Howe	At large (Pres.)	July 2, 1929	17	11
r278	Holland, Harvison Catlin	Iowa	July 1, 1929	17	9
†523	Honnold, Isaac Preston	Illinois	June 14, 1929	18	8
h497	Houck, Ray Wallen	Kansas	June 28, 1929	18	8
*21	Howard, Ezra Gleeson	Alabama	do	18	5
423	Howard, John Marshall Bowyer	Maryland	July 5, 1929	17	5
332½	Howell, William Smith	Illinois	July 1, 1929	18	5
411	Hudson, George Keith	Mississippi	June 21, 1929	17	9
477	Hunt, William Andrew, jr	North Carolina	July 1, 1929	19	5
h	Hunter, Percival, jr	Illinois	July 29, 1929	19	10
310	Ifrig, Francis Othmar	Missouri	June 17, 1929	18	5
402	Ingels, Albert Clayton	Ohio	June 20, 1929	18	9
h521	Ingling, Alan Lloyd	Pennsylvania	Aug. 12, 1929	18	9
135	Isely, Robert Henry	Kansas	June 24, 1929	19	6
325	Jackson, Charles Barzellious, jr	Arkansas	June 20, 1929	19	1
314	Jackson, Edward Frank	Massachusetts	June 21, 1929	18	11
57	Jacoby, Raymond Bernard	New York	July 1, 1929	19	1
46	Jahncke, Ernest Lee, jr	Louisiana	June 18, 1929	16	10
430	James, Elliott Lindsay, jr	Alabama	June 20, 1929	18	5
515	Jenkins, Robert John	Wisconsin	June 15, 1929	19	11
w	Johnston, Dewey George	Oklahoma	July 22, 1929	19	6
378	Jones, Arthur Collins	Kansas	do	18	9
318	Jones, Carlton Benton	Colorado	June 15, 1929	20	1
517	Jones, Floyd Ross	Wisconsin	June 20, 1929	16	11
516	Jones, James Elmer	Missouri	July 24, 1929	20	2
270	Jones, Thomas Arthur	Indiana	July 11, 1929	19	3
364	Jordan, James Langford	California	June 26, 1929	19	11
265	Jurika, Stephen, jr	do	June 21, 1929	19	0
91	Kane, William Richard	do	June 14, 1929	18	0
268	Kastein, James George	Wisconsin	do	19	0
423	Kauffman, Draper Laurence	Ohio	Aug. 12, 1929	18	0
75	Keating, Robert Allen, jr	Massachusetts	June 18, 1929	17	5
382	Kefauver, Russell	New York	June 21, 1929	17	10
449	Keller, Clarence Armstrong, jr	Kansas	June 13, 1929	19	0
316	Kengla, William Archibald	Dist. of Columbia	June 25, 1929	19	0
236	Kibbe, Richard Lucius	Florida	June 18, 1929	18	5
39	Kiergan, Nova Babb, jr	Missouri	June 13, 1929	18	11
164	Kimball, Leland Porter, jr	Pennsylvania	June 18, 1929	18	5
h506	Kimbell, Henry Tyus, jr	Oklahoma	June 20, 1929	19	3
454	King, Charles Emmett	Ohio	Aug. 19, 1929	17	2
399	Kirby, Charles Calvert	At large (Pres.)	June 13, 1929	18	2
173	Klinsman, George Otto	North Dakota	June 20, 1929	18	10
*25	Klopp, John Albert	Illinois	June 14, 1929	17	5
h495	Knapp, Gerald Anton	Washington	June 28, 1929	19	1
351	Koch, George Price	Pennsylvania	July 1, 1929	19	0
322	Koenig, Joseph William	Louisiana	June 14, 1929	19	6
397	Kuehl, Howard Frank	Wisconsin	June 18, 1929	19	6

first year of their academic course, 545 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
2	23	8.50	21.40	12.02	11.76	8.45	11.67	73.80
2	23	9.00	22.44	10.06	11.36	9.36	11.28	73.50
2	23	8.23	22.60	12.50	12.20	8.37	11.67	75.57
2	9	7.68	20.68	11.20	11.24	8.45	11.46	70.71
2	23	10.26	28.64	13.98	12.70	8.97	11.22	85.77
2	23	9.07	23.76	12.20	10.84	9.84	11.73	77.44
2	23	9.29	21.40	11.82	11.84	8.90	11.73	74.98
2	23	8.73	23.12	12.72	11.50	8.31	11.25	75.63
2	23	10.40	23.12	10.18	11.10	8.06	11.25	74.11
0	0	9.16	23.20	11.40	11.08	8.74	11.88	75.46
2	23	7.65	20.24	10.44	10.50	7.52	10.68	67.03
0	0	6.46	20.80	10.90	11.94	7.99	11.64	69.73
2	23	9.84	28.16	13.78	12.76	9.49	11.94	85.97
2	3	8.62	21.56	10.68	11.70	8.41	11.49	72.46
2	23	9.09	21.52	12.30	12.08	8.20	11.25	74.44
2	23	7.79	21.44	11.38	11.34	9.27	11.73	72.95
2	23	7.67	21.48	11.32	11.64	8.22	10.32	70.65
0	0	(a)	(a)	(a)	(a)	(a)	11.82	Inc.
2	23	8.21	23.08	12.60	11.40	8.89	10.68	74.86
2	9	8.10	22.44	11.42	11.32	8.40	11.52	73.20
0	0	7.34	19.32	10.26	11.00	7.55	11.61	67.08
2	23	9.52	25.80	11.22	12.30	8.42	11.79	79.05
2	23	7.47	21.88	11.34	12.68	9.21	12.00	74.58
2	23	9.29	22.24	12.00	10.78	8.11	11.34	74.76
2	23	10.38	24.92	12.66	12.50	10.75	11.70	82.91
2	23	9.04	25.72	13.16	13.26	10.94	11.61	83.73
2	23	7.84	22.28	11.82	11.32	8.40	10.59	72.25
2	23	7.46	20.64	10.56	10.58	7.65	11.40	68.29
0	0	(a)	(a)	(a)	(a)	(a)	11.04	Inc.
2	23	9.36	21.16	10.72	12.16	8.58	11.64	73.62
2	23	8.58	21.40	12.72	11.32	8.91	11.76	74.69
2	23	7.93	20.52	10.30	10.68	7.56	10.53	67.52
2	23	8.04	19.76	10.40	11.62	8.38	9.90	68.10
2	23	10.01	22.80	11.78	10.92	8.47	11.67	75.65
2	23	8.18	21.76	11.64	12.54	9.42	10.26	73.80
2	23	8.13	23.00	11.56	11.98	9.65	11.52	75.84
2	9	8.20	23.96	12.24	13.16	11.20	11.91	80.67
2	23	8.69	22.72	11.60	11.84	9.43	11.46	75.74
2	23	7.90	22.84	10.52	11.76	9.18	10.26	72.46
2	23	9.30	24.92	13.14	11.92	10.66	11.82	81.76
2	23	7.99	22.20	11.26	11.08	9.51	11.46	73.50
2	23	8.76	20.88	10.58	11.00	8.49	11.97	71.68
2	23	8.30	21.20	11.96	12.08	9.34	11.85	74.73
2	9	9.85	22.92	12.14	11.52	8.97	11.13	76.53
2	23	10.33	26.00	13.54	12.58	9.69	12.00	84.14
2	23	9.14	25.40	12.10	11.50	8.50	11.55	78.19
0	0	7.59	20.12	10.28	11.04	8.35	11.88	69.26
2	23	8.11	20.88	10.64	11.52	8.38	11.85	71.38
2	23	7.64	22.20	11.00	12.34	9.57	10.47	73.22
1	20	8.58	23.48	12.98	12.04	9.65	11.28	78.01
2	23	11.14	25.84	13.60	12.98	10.30	11.76	85.62
0	0	7.91	19.52	10.14	11.64	9.56	11.07	69.84
2	23	9.60	22.76	11.84	10.66	8.03	11.16	74.05
2	23	8.89	22.36	11.56	11.58	8.61	11.61	74.61
2	23	7.97	22.08	11.38	11.84	8.52	11.46	73.25

Merit roll of the midshipmen of the present third class (class of 1933), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
238	Kuhn, Lawrence Charles	Pennsylvania	June 18, 1929	18	10
166	Lacey, Donald Orr	South Dakota	do	19	5
512	LaCombe, Joseph Leer	Louisiana	June 15, 1929	20	1
60	Laird, George Hays, jr	West Virginia	do	18	0
*11	Lambert David	Massachusetts	June 13, 1929	17	1
70	Lane, Richard	Minnesota	June 20, 1929	17	6
66	Laughon, Willard Ross	West Virginia	July 5, 1929	18	5
37	Leach, Robert William	Massachusetts	July 11, 1929	18	4
*30	Lee, Edward Percy, jr	Kentucky	June 13, 1929	19	2
405	Lee, Lamar, jr	Virginia	June 26, 1929	18	2
64	Lehman, John Samuel	Utah	Sept. 5, 1929	16	9
193	Leon, Hayden Louis	North Carolina	June 21, 1929	17	8
471	Leverenz, Roy Fred	Michigan	July 24, 1928	18	10
528	Lewis, Hugh Howard	Texas	July 17, 1929	18	9
193	Lindsay, Harry Meakin, jr	New York	Aug. 19, 1929	19	1
104	Linson, Ross Garner	Nebraska	June 13, 1929	18	4
173	List, Frank Voris	Washington	June 28, 1929	19	3
356	Long, Elmer Cecil	Illinois	July 5, 1929	18	7
467	Long, Thomas Albert	California	July 15, 1929	19	3
297	Longshore, Frederick Kime	Pennsylvania	July 5, 1929	18	1
242	Lord, Edwin Elmer, 3d	do	July 31, 1929	18	6
398	Loughlin, Charles Elliott	P. A. 348 (Pres.)	June 21, 1929	19	4
337	Lovci, John Carter	California	June 28, 1929	18	11
134	Loveland, Kenneth	Utah	June 30, 1928	18	8
465	Lunsford, John Edgar	Tennessee	June 18, 1929	18	6
33	Lusey, Michael Joseph	Maine	July 23, 1929	17	3
409½	Lyon, Thomas Emery	Kentucky	June 13, 1929	17	11
51	MacDonald, Harold Alexander	Pennsylvania	do	19	9
208	Macdonald, William Ruley	New York	June 20, 1929	16	8
259	MacIntosh, Donald Ehle	Massachusetts	June 13, 1929	18	9
80	MacKenzie, Michael Vincent	do	July 15, 1929	17	11
200	Macpherson, Robert Anthony	New Mexico	June 17, 1929	19	1
*6	Madden, Robert Bowman	Pennsylvania	June 24, 1929	16	10
128	Magnell, Alfred Thomas	Connecticut	June 26, 1929	18	1
451	Magoffin, Robert Earl	Missouri	June 17, 1929	19	7
301	Mahoney, Martin Joseph	Oklahoma	June 20, 1929	18	0
*18	Majewski, Louis John	Illinois	June 13, 1929	18	6
335	Malayter, John Stephen	New York	Aug. 26, 1929	20	2
410	Mandarich, Steve	California	June 14, 1929	18	3
161	Manning, Joseph Ignatius	Massachusetts	June 18, 1929	18	6
230	Marks, Laurence Hall	Alabama	July 1, 1929	18	3
*1454½	Marlowe, Robert Aloysius	California	June 29, 1929	18	10
267	Marshall, George Kossuth	Massachusetts	June 17, 1929	16	10
483	Martin, James Leo	do	July 1, 1929	17	10
189	Martineau, David Louis	Illinois	June 14, 1929	18	6
213	Martineau, Paul William	New York	July 15, 1929	18	5
252	Masters, James Marvin, jr	South Carolina	June 18, 1929	18	0
422	Masterton, Paul	New Jersey	July 8, 1929	17	6
395	Mathes, Samuel Rhea	Alabama	July 5, 1929	18	3
527	Maxwell, Thomas Lawson	Georgia	June 13, 1929	17	8
198	Mayberry, Dale	Kansas	do	20	2
99	Maynard, Harry Clark	Massachusetts	July 5, 1929	18	8
110	McAfee, Robert	New York	June 24, 1929	19	4
1268	McAlister, John Anderson	Georgia	Aug. 26, 1929	19	1
392	McCormick, David	Florida	July 31, 1929	19	7

first year of their academic course, 545 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
2	23	8.72	22.48	12.56	12.04	8.89	11.82	76.51
2	23	8.60	23.28	13.50	12.80	8.08	11.88	78.14
2	9	7.95	20.40	10.62	11.26	8.11	10.41	68.75
2	23	10.12	26.04	13.30	11.56	10.18	11.43	82.63
2	23	9.68	27.20	14.06	13.24	11.47	12.00	87.65
2	23	8.82	24.40	13.02	13.16	10.99	11.76	82.15
2	23	8.50	25.36	13.58	13.04	10.11	11.76	82.35
2	23	10.01	25.52	13.60	12.86	10.66	11.67	84.32
2	23	10.19	26.16	14.18	12.70	10.17	11.85	85.25
2	23	7.90	22.20	11.26	11.38	8.90	11.46	73.10
2	23	10.14	28.12	13.56	10.56	9.37	10.77	82.52
2	23	10.56	22.84	11.78	12.14	8.94	11.31	77.57
2	23	8.16	21.44	11.26	10.82	8.46	10.68	70.82
0	0	6.73	19.16	9.70	10.98	8.78	10.02	65.37
2	23	8.91	22.80	12.20	12.06	10.92	10.68	77.57
2	8	9.87	24.60	12.38	12.30	9.14	11.73	80.02
2	23	9.55	24.28	11.66	11.52	9.30	11.70	78.01
2	23	8.28	22.16	10.56	11.36	9.52	12.00	73.88
2	23	8.66	20.76	10.76	10.86	8.35	11.52	70.91
2	23	8.62	22.80	11.16	11.80	8.88	11.91	75.17
2	23	8.68	23.84	12.16	10.92	8.99	11.76	76.35
2	23	7.65	21.04	10.72	12.62	9.78	11.43	73.24
2	23	8.45	23.84	12.62	11.62	7.72	10.02	74.27
2	23	9.40	25.12	11.92	12.28	9.87	10.47	79.06
2	23	7.79	21.68	10.64	11.34	8.73	10.77	70.95
2	23	9.73	26.16	14.00	12.56	10.75	11.73	84.93
2	23	9.42	20.92	10.98	11.38	8.33	11.97	73.00
2	23	9.16	25.92	13.82	12.90	9.61	11.67	83.08
2	23	8.35	23.20	11.92	12.36	9.80	11.58	77.21
2	23	8.21	23.24	11.72	11.76	9.91	11.10	75.97
2	23	8.73	25.80	13.50	12.34	9.57	11.49	81.43
2	23	8.38	22.92	12.12	12.58	9.76	11.61	77.37
2	23	9.86	29.16	14.38	12.52	11.25	11.67	88.84
2	23	7.80	22.92	12.40	13.10	11.58	11.52	79.32
2	23	7.48	20.52	11.40	12.86	8.02	11.34	71.62
2	23	7.65	22.64	11.94	11.56	9.44	11.82	75.05
2	18	9.45	26.60	13.94	14.32	10.83	11.76	86.90
2	23	9.09	21.40	11.68	11.22	9.19	11.79	74.37
2	9	8.00	21.92	10.88	11.32	9.19	11.67	72.98
2	23	7.57	23.40	11.64	12.94	11.02	11.70	78.27
2	23	8.21	23.40	11.32	12.44	9.84	11.46	76.67
2	23	7.29	20.20	11.40	11.54	9.21	11.70	71.34
2	23	8.53	23.20	12.60	11.56	8.41	11.46	75.76
2	23	7.29	21.08	10.68	11.10	8.51	11.76	70.42
2	23	8.14	23.56	12.44	13.78	9.01	10.74	77.67
2	23	8.80	21.92	12.56	12.36	9.57	11.85	77.06
2	23	8.46	23.08	11.82	12.04	8.73	11.97	76.10
2	23	8.17	21.52	10.66	11.96	8.10	11.76	72.47
2	23	8.72	21.64	12.46	10.80	8.16	11.59	73.30
2	23	7.39	20.24	11.44	10.50	7.76	9.00	66.53
2	23	8.47	23.60	12.14	12.16	9.04	11.97	77.58
2	23	9.61	23.92	11.94	12.68	10.39	11.73	80.27
2	23	9.39	24.36	12.82	11.90	9.67	11.70	79.84
0	0	8.92	23.88	10.84	11.58	8.61	11.91	75.74
2	23	7.81	22.76	11.12	11.26	8.51	11.88	73.34

Merit roll of the midshipmen of the present third class (class of 1933), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
206	McCormack, John Joseph, jr.	New York	June 17, 1929	17	1
272	McCutchan, George Thurston	Indiana	July 5, 1929	18	7
114	McDougal, David Stockton	Minnesota	June 18, 1929	17	10
446	McEachern, Paul Theodore	Massachusetts	June 17, 1929	19	4
254	McGoughran, Joseph Christopher	New York	July 5, 1929	19	1
332	McKibbin, Hugh Robert	Michigan	July 15, 1929	18	3
271	McMaster, Fitzhugh	South Carolina	June 18, 1929	17	7
344	McMillan, Edward Bellamy	Michigan	Aug. 19, 1929	19	3
437	McMullen, Dillon Robert	Pennsylvania	July 5, 1929	19	5
510	McNeill, Chauncey	West Virginia	June 14, 1929	18	2
369	McNenny, Wilbur James	South Dakota	June 17, 1929	17	10
307	McRae, Robert Hamilton	Georgia	June 15, 1929	17	6
377	Meneke, Kenneth	New York	July 5, 1929	20	1
<i>h</i>	Merrill, Ralph Standish	Florida	June 20, 1929	18	9
408	Metze, Albert Francis	Indiana	July 5, 1929	19	0
505	Metzger, Edward Francis	Massachusetts	June 26, 1929	19	0
34	Meyer, Bernard Henry	Florida	July 5, 1929	19	5
222	Militana, Salvatore Guiseppi	New York	June 17, 1929	20	0
243	Miller, Clayton Louis	Washington	June 14, 1929	18	5
142	Miller, Edwin Swain	Montana	June 21, 1929	18	7
255	Miller, George Harold	Indiana	June 14, 1929	17	11
475	Miller, William Irvin, jr.	Kansas	do	18	10
43	Mohan, Richard Lawrence	Massachusetts	July 15, 1929	18	1
195	Monroe, Henry Stone	do	June 21, 1929	19	5
118	Moore, Charles Leighton, jr.	Georgia	July 5, 1929	19	2
289	Moorer, Thomas Hinman	Alabama	June 13, 1929	17	4
248	Morgan, Charles Cushman	Pennsylvania	July 9, 1929	19	3
233	Morgan, John Chapman	Texas	July 5, 1929	19	1
225	Morrow, Guy Marion	Illinois	July 6, 1929	20	1
*3	Morton, Thomas Howard	Missouri	June 15, 1929	17	3
i305	Mosk, Milton Stanford	Texas	July 12, 1929	16	6
154	Mott, William Chamberlain	Rhode Island	July 16, 1929	17	10
500	Muirhead, Gavin Lawrence	Nebraska	June 28, 1929	20	2
i†498	Mullen, Hugh	New York	Oct. 5, 1929	17	11
<i>h</i>	Mumma, George Edwin	Iowa	July 5, 1929	18	4
*19	Murphy, Gordon	North Dakota	June 17, 1929	17	1
423	Nelson, Edward Robert, jr.	Michigan	July 5, 1929	18	11
*10	Neupert, Karl Frederic	Oregon	July 1, 1929	16	8
336	Neville, Lawrence Robert	California	July 15, 1929	18	2
431	Newton, Walter Hughes, jr.	Minnesota	June 21, 1929	17	7
464	Norris, Thomas Edwin	Maryland	July 5, 1929	18	5
479	O'Brien, Gerald Davis	South Dakota	June 24, 1929	19	7
126	O'Connell, Thomas Paul	Massachusetts	July 1, 1929	20	1
i†22	O'Connor, Desmond Kiernan	Rhode Island	July 2, 1929	19	11
33	Ogden, James Robinson	Tennessee	July 5, 1929	18	3
433	Ogle, John Newman	Indiana	do	20	1
185	Olsen, Robert Irving	Illinois	Aug. 26, 1929	19	8
280	Overton, William Arthur	Kansas	June 14, 1929	19	6
41	Palmer, Jay Talisman	Texas	Sept. 17, 1929	19	8
75	Pasche, William	Illinois	June 14, 1929	18	7
487	Pattie, Samuel Howard	Texas	June 18, 1929	19	10
387	Peckson, Alfredo	Philippine Islands	Aug. 29, 1929	19	3
46	Pelling, Albert George	California	June 28, 1929	19	2
276	Peters, Thomas Veditto	Nebraska	June 17, 1929	19	10
401	Peterson, Frank James	New Jersey	July 6, 1929	20	1

first year of their academic course, 545 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
2	23	8.48	22.80	11.86	12.40	10.14	11.55	77.23
2	23	8.46	22.64	11.70	12.52	8.35	11.94	75.61
2	23	9.21	25.56	13.28	12.52	10.14	8.97	79.68
2	23	8.03	20.76	10.34	11.08	9.82	11.70	71.73
2	23	8.64	22.00	12.74	11.58	9.70	11.40	76.06
2	23	8.90	22.16	11.64	11.46	8.38	11.91	74.45
2	23	8.82	23.08	12.12	11.64	8.20	11.76	75.62
2	23	8.35	21.92	11.42	11.90	9.12	11.43	74.14
2	23	8.01	22.08	11.60	12.12	8.31	9.90	72.02
2	23	8.02	20.44	10.38	10.90	7.80	11.34	68.88
2	23	8.78	22.68	11.60	10.46	8.76	11.49	73.77
2	23	8.36	23.44	11.52	10.96	8.71	11.91	74.90
2	23	8.77	21.52	11.04	11.86	9.25	11.22	73.66
0	0	7.03	19.80	(a)	9.78	(a)	11.91	Inc.
2	23	7.99	21.16	12.14	10.92	9.07	11.79	73.07
2	23	8.39	21.00	10.24	10.52	9.39	9.75	69.29
2	23	10.85	27.00	14.00	12.52	8.75	11.55	84.67
2	9	8.25	24.36	12.30	10.60	10.03	11.34	76.88
2	23	7.89	22.32	12.00	12.54	9.87	11.70	76.32
2	23	9.73	23.84	12.86	12.20	8.94	11.16	78.73
2	23	9.47	22.96	11.42	12.06	8.47	11.67	76.05
2	23	8.31	21.00	10.34	10.96	8.27	11.85	70.73
2	23	9.40	25.36	13.64	13.18	10.47	11.88	83.93
1	20	9.08	23.60	11.10	12.36	10.09	11.31	77.54
2	23	8.53	25.16	12.88	12.50	8.89	11.64	79.60
2	23	8.69	23.56	11.96	11.10	8.51	11.46	75.28
2	23	8.56	23.28	11.42	12.16	8.82	11.94	76.18
2	23	8.83	23.00	12.20	11.48	9.57	11.49	76.57
2	23	8.18	25.08	12.06	11.34	8.63	11.52	76.81
2	23	10.10	29.04	14.48	13.54	10.70	11.85	89.71
0	0	6.88	23.20	12.08	11.38	9.60	11.82	74.96
2	23	7.85	23.64	13.50	12.90	9.20	11.34	78.43
2	23	7.76	20.32	10.86	11.50	7.77	11.31	69.52
0	0	7.08	21.56	10.56	10.92	8.10	11.46	69.68
0	0	8.39	19.48	(a)	11.00	8.31	11.37	Inc.
2	23	9.65	29.28	13.64	12.20	10.09	11.76	86.62
2	23	8.22	22.12	11.34	11.22	8.10	11.46	72.46
2	23	9.13	27.44	14.26	13.70	11.23	11.94	87.70
2	23	7.59	21.72	11.18	12.00	10.20	11.67	74.36
2	23	7.98	21.48	10.38	11.06	9.86	11.43	72.19
2	23	7.53	21.80	11.02	10.94	8.00	11.70	70.99
2	23	7.53	20.72	11.20	11.24	8.49	11.37	70.55
2	23	8.00	24.24	12.72	12.52	10.53	11.34	79.35
0	0	7.40	19.84	9.88	10.78	7.54	11.61	67.05
2	23	9.39	28.56	13.06	12.60	9.21	11.37	84.19
2	9	7.62	21.61	10.94	11.32	8.65	11.94	72.11
2	23	10.80	23.24	11.88	11.08	8.80	11.94	77.74
2	23	8.00	23.48	11.80	12.36	7.83	11.97	75.44
2	23	8.10	21.64	12.96	12.10	10.40	11.19	76.39
2	23	7.93	22.04	11.72	11.44	9.08	11.49	73.70
0	0	7.59	22.00	10.74	11.22	8.03	10.68	70.26
2	23	7.83	20.68	11.22	11.74	10.96	10.98	73.41
2	23	8.45	22.72	12.56	12.02	8.49	12.00	76.24
2	23	9.65	22.72	11.64	11.12	8.82	11.58	75.53
1	20	8.88	21.00	11.20	11.96	8.32	11.85	73.21

Merit roll of the midshipmen of the present third class (class of 1933), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
258	Phillips, John Lloyd, jr.	Virginia	July 5, 1929	19	3
229	Pickett, Ludwell Rector, jr.	Arkansas	June 14, 1929	17	8
108	Pihl, Royal Pearson	Massachusetts	July 5, 1929	18	11
508	Pike, Joseph William, jr.	North Carolina	July 8, 1929	17	11
324	Poor, Richard Longstreet	Louisiana	June 14, 1929	18	6
301	Porter, William Baxter	Pennsylvania	June 13, 1929	18	0
461	Powell, Isthmian Lovoya	Alabama	June 26, 1929	19	5
403	Pratt, William Veazie, 2d	At large (Pres.)	June 13, 1929	17	0
98	Pray, Ralph Marble	California	June 28, 1929	19	2
340	Price, George Marvin	Florida	June 13, 1929	17	6
308	Rueher, Bertram Joseph	Wisconsin	July 1, 1929	16	10
221	Purdy, Frederick Warren	Florida	June 13, 1929	17	6
417	Pyle, Randolph Grant	Idaho	June 14, 1929	17	8
414	Rakow, William Magnus	Iowa	June 20, 1929	18	4
187	Ramee, John	North Dakota	June 28, 1929	17	7
*20	Raymond, Reginald Marbury	Louisiana	June 15, 1929	17	1
124	Reday, Joseph Zoltan, jr.	Massachusetts	July 15, 1929	17	9
122	Reedy, James Robert	Ohio	July 11, 1929	19	1
4504	Reuland, Walter Philip	California	June 29, 1929	19	6
478	Rhea, Edward Sumpter, jr.	Kentucky	June 22, 1929	18	9
95	Richards, Gilbert Haven, jr.	Illinois	July 5, 1929	18	1
32	Riddell, Robert Southgate	New York	July 8, 1929	18	3
7441	Rising, Alexander Benjamin	Minnesota	June 28, 1929	19	1
244	Robbins, Charles Bradford	Hawaii	July 1, 1929	17	10
146	Roberts, Charles Theodore	Washington	June 21, 1929	19	5
111	Robertson, Charles Edward	New York	June 17, 1929	19	4
432	Robison, Clifford Ellsworth	New Mexico	July 2, 1929	19	8
263	Rockwell, James	Porto Rico	June 20, 1929	18	3
*31½	Roe, Jack Willhoit	Iowa	do	18	0
345	Rouillard, George Dee	Idaho	June 14, 1929	19	0
474	Rowe, Hilary Cecil	Maryland	July 5, 1929	19	11
190	Rozea, Russell Edward	At large (Pres.)	June 21, 1929	18	11
331	Rucker, Eldred Benson	South Dakota	June 19, 1929	19	10
55	Rumble, Henry Peterson	New Jersey	July 15, 1929	17	7
40	Russell, Baxter Leon	Arkansas	June 14, 1929	18	9
148	Ryan, Albert Francis, jr.	New York	June 17, 1929	19	0
450	Samuels, Nelson Tindall	Maryland	June 21, 1929	19	8
231	Santymers, Selby Krauss	Delaware	do	18	2
*29	Sargent, Ralph Nelson, jr.	New Jersey	June 13, 1929	18	9
190	Shade, Arnold Frederic	Connecticut	July 8, 1929	17	4
499	Schafer, Charles Edward	Wisconsin	July 1, 1929	17	0
208	Schmid, Henry Edward	Washington	June 28, 1929	19	11
178	Schmid, Wallace Andrew	do	do	19	0
354	Schneider, Earle Caffrey	At large (Pres.)	Aug. 19, 1929	17	7
518	Schwab, Herbert Sidney	do	June 13, 1929	17	3
159	Schwartz, Frank Dewey	Kansas	June 14, 1929	18	7
132	Seagroves, Everett Edgar	Georgia	July 5, 1929	19	10
394	Searey, Seth Shepard, jr.	Texas	June 22, 1929	18	3
485	Seipt, William Edward	Maryland	June 21, 1929	19	11
513	Selby, Frank Gordon	Iowa	June 14, 1929	18	10
228	Shafer, William Edward	Ohio	July 22, 1929	18	0
93	Shannon, John	New Jersey	do	17	7
291	Shaul, Donald Robert	California	July 16, 1929	20	2
*7	Shea, Thomas Vandermeer	Wisconsin	June 18, 1929	16	11
426	Shelby, Edward Ellis	Texas	do	18	10

first year of their academic course, 545 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
1	20	8.35	23.04	12.32	11.98	8.48	11.85	76.02
2	9	9.14	24.56	11.84	12.12	9.00	10.02	76.68
2	23	9.90	24.48	12.04	12.48	9.11	11.88	79.89
2	23	7.31	20.80	10.60	10.54	7.74	11.94	68.93
2	23	8.67	21.28	11.02	11.74	10.15	11.73	74.59
2	23	8.41	22.08	11.70	12.40	9.03	11.43	75.05
2	9	8.63	21.20	11.18	10.54	7.97	11.61	71.13
2	9	8.32	22.16	11.70	11.40	9.34	10.26	73.18
2	9	8.27	25.04	12.66	11.74	10.69	11.94	80.34
2	23	8.50	22.36	11.10	11.60	9.06	11.55	74.17
2	23	9.22	22.80	12.14	10.98	7.83	11.91	74.88
2	23	9.63	23.20	11.74	12.54	9.16	10.62	76.89
2	23	8.26	21.08	11.16	11.86	8.31	11.97	72.64
2	23	7.64	20.76	11.06	11.74	9.76	11.70	72.66
2	23	9.36	25.16	10.98	10.44	10.15	11.64	77.73
2	23	9.84	27.96	13.96	13.14	10.36	11.01	86.27
2	23	9.33	24.00	11.78	12.70	9.99	11.58	79.38
2	9	9.02	23.08	12.08	12.96	10.61	11.67	79.42
2	23	8.36	20.60	10.26	10.88	7.27	11.94	69.31
2	23	8.60	20.60	10.96	10.48	8.72	11.28	70.64
2	23	9.45	25.48	12.06	12.26	9.45	11.70	80.40
2	23	9.71	27.40	12.88	12.10	11.00	11.85	84.94
2	23	7.80	21.08	12.24	11.20	7.84	11.73	71.89
2	23	9.62	22.80	11.70	11.74	8.67	11.76	76.29
2	23	8.87	24.48	12.26	12.16	9.06	11.79	78.62
2	23	9.31	23.20	12.56	12.90	10.32	11.49	79.78
2	23	7.69	21.32	10.92	11.52	9.15	11.55	72.15
2	19	8.96	22.56	11.86	11.04	10.85	10.59	75.86
2	23	9.86	26.12	14.12	12.66	10.55	11.70	85.01
2	23	8.63	21.96	11.56	11.68	8.40	11.88	74.11
2	23	7.63	22.08	10.64	11.40	7.95	11.07	70.77
2	23	7.76	21.52	11.84	14.42	10.41	11.67	77.62
2	23	8.86	22.00	11.32	11.70	9.13	11.46	74.47
2	23	9.25	27.28	13.44	11.38	9.80	11.85	83.00
2	23	10.00	27.52	13.76	12.56	8.54	11.70	84.08
2	23	9.09	24.32	12.58	11.48	10.34	10.71	78.52
2	9	8.18	22.36	10.80	11.42	8.32	10.59	71.67
2	23	8.80	23.20	11.44	11.68	9.83	11.70	76.65
2	23	10.68	26.16	31.90	12.88	9.67	12.00	85.29
2	23	9.55	23.92	11.20	11.34	9.82	11.79	77.62
2	23	7.50	21.16	10.62	10.92	8.57	10.86	69.63
2	23	8.94	23.88	11.52	12.30	8.72	11.85	77.21
2	23	8.89	24.52	12.16	11.88	8.92	11.49	77.86
2	23	7.42	22.08	12.04	12.16	8.58	11.64	73.92
2	23	7.56	21.32	10.34	11.70	7.95	8.52	67.39
2	23	8.50	23.88	12.80	12.58	8.85	11.70	78.31
2	23	7.98	23.32	12.28	13.26	10.62	11.70	79.16
2	23	9.00	21.76	10.92	11.90	8.68	11.07	73.33
2	23	7.92	20.64	10.98	11.68	8.02	11.13	70.37
2	23	8.11	21.60	10.64	11.40	7.96	8.82	68.53
2	23	8.02	22.40	11.04	12.48	11.01	11.76	76.71
2	23	9.23	23.88	11.80	12.70	11.01	11.88	80.50
2	23	7.85	21.56	12.90	11.90	9.15	11.88	75.24
2	23	11.21	29.24	14.26	13.02	9.74	11.04	88.51
2	23	8.92	21.24	11.50	11.60	8.15	11.04	72.45

Merit roll of the midshipmen of the present third class (class of 1933), for the

Order of gen- eral merit for aca- demic year	Names	State from which appointed	Date of ad- mission	Age at date of admission	
				Years	Months
51	Shellabarger, Martin Adam	Colorado	June 14, 1929	19	0
167	Shepherd, Albert Lee	Maine	June 20, 1929	19	1
311	Sheppard, Frederick William	Oregon	June 25, 1929	19	2
330	Sherman, Philip Kingsland, jr	Vermont	June 18, 1929	19	8
163	Shifley, Ralph Louis	Illinois	June 13, 1929	18	8
281	Shook, Kenneth Sydney	Pennsylvania	June 19, 1929	18	11
441	Shuffle, Edwin, Jr	West Virginia	July 1, 1929	19	3
81	Sinclair, Francis Mead	At large (Pres.)	Aug. 26, 1929	20	2
129	Slater, Frank Marcel	Massachusetts	June 13, 1929	18	0
418	Slayton, Morgan	New York	July 1, 1929	18	0
256	Smedley, Francis Joseph	Pennsylvania	June 19, 1929	19	3
178	Smith, James Arthur	Missouri	Aug. 26, 1929	18	6
296	Smith, Kerfoot Bainbridge	Ohio	July 5, 1929	18	9
479	Snider, Lewis Levi	South Dakota	July 22, 1929	19	1
78	Solier, Robert Harris	Ohio	June 18, 1929	19	6
438	South, Thomas Winfield, 2d	Rhode Island	June 20, 1929	18	8
*16	Sowerwine, Owen Evans	New Jersey	June 17, 1929	16	11
175	Spahr, Otto William, jr	South Carolina	June 18, 1929	18	8
490	Spencer, Samuel Floyd	Georgia	June 20, 1929	17	7
409	Springer, Clarence Norris	Michigan	July 25, 1929	20	4
519	Stack, Gerald Francis	California	June 28, 1929	18	2
67	Stahl, Paul Ludwig	Connecticut	June 14, 1929	17	7
489	Staley, Joseph Jarlathe	Ohio	June 18, 1929	18	4
284	Staley, Poyntell Caldecleugh, jr	Rhode Island	July 1, 1929	19	4
456	Stanley, Reuben Elliott	Wisconsin	June 21, 1929	20	1
319	Steel, Charles Louis	Oklahoma	June 18, 1929	18	11
217	Steinbeck, John Macaulay	Massachusetts	July 5, 1929	18	10
491	Stephan, David Richard	Minnesota	July 1, 1929	18	7
405	Stephans, Milton George	California	June 28, 1929	18	4
462	Stephenson, George Mills	Ohio	June 19, 1929	18	4
*9	Stevens, John Paul	Texas	June 20, 1929	17	3
250	Stevens, Lemuel Mussetter, jr	At large (Pres.)	June 13, 1929	17	1
142	Stevenson, Lewis Marion	New Mexico	do	20	0
316	Stewart, John Wesley	Pennsylvania	June 24, 1929	18	4
273	St. Germain, Raymond John	Louisiana	June 14, 1929	18	7
56	Stocker, Louis John	Missouri	June 17, 1929	17	0
133	Stream, Bernard Max	Indiana	June 22, 1929	18	6
120	Strozier, Henry Harvey	Georgia	June 24, 1929	17	7
76	Stuart, John McCreery	Kentucky	Aug. 26, 1929	19	10
338	Sturr, Henry Dixon	Michigan	July 9, 1928	18	5
167½	Styles, Ralph Emerson	North Carolina	June 17, 1929	19	4
205	Styne, Dwight Evan	Hawaii	June 27, 1928	19	8
426	Sublette, William Harold	Colorado	June 26, 1929	19	9
339	Taylor, Rufus Lackland	Missouri	Aug. 26, 1929	19	8
180	Tellefsen, Carl Robert	Minnesota	Sept. 5, 1929	20	0
86	Temple, Edward Arthur	Texas	June 13, 1929	17	9
171	Thomas, Millener Weaver	Pennsylvania	June 24, 1929	18	1
*2	Thompson, Raymond Webb, jr	Maryland	July 1, 1929	18	4
253	Thorn, Benjamin Franklin	West Virginia	June 21, 1929	17	5
328	Tiedeman, Carl	Iowa	June 14, 1929	18	1
434	Tinker, Frank Glasgow	Arkansas	June 28, 1929	19	11
88	Tinker, Malcolm Hoagland	Pennsylvania	June 20, 1929	19	11
287	Titus, Jack Clarence	California	do	19	9
116	Todd, Ashford, jr	Alabama	June 14, 1928	17	5
48	Tomamichel, Jack Jones	Nevada	June 28, 1929	18	7

first year of their academic course, 545 members, June, 1930—Continued

Sea service in practiceships		Engineering and aero- nautics	Math- ematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
2	9	9.07	24.64	13.60	13.30	10.80	11.67	83.08
2	23	8.23	24.60	11.64	12.26	9.43	11.97	78.13
2	23	8.70	21.96	11.64	12.08	8.92	11.55	74.85
2	23	9.37	22.28	11.84	11.32	8.31	11.37	74.49
2	23	10.35	23.88	12.70	11.16	8.68	11.43	78.20
2	23	8.11	23.60	11.58	11.64	8.52	11.97	75.42
2	23	7.45	21.52	11.36	10.40	9.55	11.61	71.89
2	23	8.45	24.12	13.62	13.38	10.13	11.67	81.37
2	23	9.93	23.92	12.38	12.06	10.25	10.74	79.28
2	23	7.89	20.88	10.16	13.46	8.66	11.55	72.60
2	9	7.92	21.48	11.94	12.28	10.72	11.70	76.04
2	23	8.92	24.80	12.04	10.58	9.52	12.00	77.86
2	23	8.22	22.64	11.74	11.50	9.56	11.52	75.18
2	23	8.64	20.56	11.90	10.02	7.79	11.64	70.55
2	23	9.51	25.20	13.56	11.66	9.70	12.00	81.63
2	23	7.98	21.28	10.90	11.56	8.79	11.49	72.00
2	23	9.62	27.28	14.24	13.34	11.46	11.16	87.10
2	23	9.11	23.84	12.56	11.48	9.24	11.76	77.99
2	23	7.76	21.24	10.14	10.78	8.69	11.61	70.22
2	23	8.76	21.96	10.82	10.90	8.69	11.91	73.04
0	0	7.60	19.16	10.38	10.86	7.84	11.40	67.26
2	23	8.81	24.28	13.60	13.10	10.53	12.00	82.32
2	23	7.77	21.08	10.26	11.40	8.15	11.58	70.24
2	23	8.29	22.24	12.42	11.42	9.36	11.64	75.37
2	23	8.47	20.96	10.56	11.08	8.65	11.55	71.27
2	23	8.18	22.84	12.00	11.32	8.57	11.76	74.67
2	23	10.13	23.44	11.38	11.18	9.55	11.34	77.02
2	23	7.86	20.92	10.54	11.04	8.48	11.31	70.15
2	23	7.90	21.56	11.46	12.10	8.62	11.46	73.10
2	23	8.25	21.76	10.68	10.64	8.08	11.64	71.05
2	23	10.82	27.04	14.32	13.22	10.58	11.88	87.86
2	23	8.18	21.32	12.38	12.30	10.14	11.82	76.14
2	23	7.99	22.76	12.94	12.74	10.30	12.00	78.73
2	23	7.95	22.56	11.28	11.58	9.78	11.58	74.73
2	23	8.67	22.72	11.80	11.30	9.35	11.76	75.60
2	23	9.12	24.76	13.40	13.02	10.78	11.88	82.96
2	23	9.52	25.80	11.74	11.02	9.23	11.79	79.10
2	23	11.01	25.32	13.32	10.94	7.77	11.16	79.52
2	23	9.48	24.24	13.14	12.94	10.16	11.76	81.72
2	23	7.58	23.76	11.64	12.32	8.45	10.47	74.22
2	23	9.15	24.60	12.24	11.82	8.43	11.88	78.12
2	23	8.49	23.36	12.38	12.18	9.14	11.70	77.25
2	23	7.80	22.00	11.24	11.40	8.73	11.28	72.45
2	23	7.99	21.52	11.20	11.88	9.80	11.82	74.21
2	23	8.39	23.36	12.34	11.32	10.41	12.00	77.82
2	9	9.52	24.60	12.80	11.98	10.33	11.76	80.99
2	23	10.21	23.20	11.86	11.82	9.50	11.46	78.05
2	23	11.49	29.44	14.62	12.44	10.82	11.79	90.60
2	23	7.93	21.92	13.14	11.94	9.57	11.58	76.08
2	23	9.44	23.04	11.60	10.60	7.92	11.97	74.57
2	23	8.74	22.08	10.76	10.82	7.92	11.76	72.08
2	23	10.15	25.16	12.26	11.24	10.20	11.94	80.95
2	23	8.79	22.28	12.90	11.22	8.98	11.16	75.33
2	23	9.02	23.84	12.04	13.14	9.65	11.94	79.63
2	23	9.28	26.92	13.76	12.32	10.21	11.10	83.59

Merit roll of the midshipmen of the present third class (class of 1933), for the

Order of general merit for academic year	Names	State from which appointed	Date of admission	Age at date of admission	
				Years	Months
277	Travis, Charles William	Tennessee	July 23, 1929	17	4
364	Travis, Franklin Karl	Nebraska	June 28, 1929	19	2
92	Tucker, James Francis	Connecticut	July 5, 1929	19	0
147	Turnage, Theodore Carlyle, jr.	North Carolina	June 13, 1929	17	9
72	Turner, Vernon Clark	Texas	June 18, 1929	17	9
396	Twigg, Donald Whitman	At large (Pres.)	June 24, 1929	18	7
71	Tyler, Marshall Alvin	Rhode Island	July 11, 1929	18	10
150	Tyree, John Augustine, jr.	Virginia	June 18, 1929	17	9
509	Unmacht, George Paul	Illinois	June 14, 1929	16	9
155	Vaillancourt, Maurice Lesieur	New Hampshire	June 18, 1928	19	0
*12	Van Meter, William Joseph, jr.	Kansas	June 14, 1929	19	4
308	Vaughan, James John	Illinois	June 26, 1929	19	0
384	Vogeler, Robert Alexander	New York	June 18, 1929	17	9
170	Vogeley, Theodore Robert	Pennsylvania	June 13, 1929	20	0
373	Von Weller, Harold John	Georgia	Aug. 26, 1929	19	8
356	Von Woglom, Louis Ethan	West Virginia	June 21, 1928	18	9
144	Wade, Sidney Scott	Illinois	July 6, 1929	19	9
385	Wagstaff, Ruben Eli	Utah	June 28, 1929	20	1
83	Wahlig, Frederick Henry	Connecticut	June 13, 1929	18	11
466	Waldron, Frederick Joseph	Massachusetts	June 29, 1929	19	5
212	Wallace, Paul Eugene	Washington	July 6, 1929	19	11
440	Walsh, Edward Cornelius	North Dakota	June 20, 1929	17	2
84	Walsh, John Edward, jr.	Pennsylvania	Aug. 26, 1929	18	5
457	Walsh, James Warren	Massachusetts	June 17, 1929	18	2
35	Ward, Thomas Harrison	North Carolina	July 1, 1929	18	8
413	Watkins, Robert E.	Wyoming	June 20, 1929	20	0
372	Weeks, John Bradford	Pennsylvania	June 21, 1929	16	7
349	Weikel, Karl Frederick	Maryland	June 17, 1929	18	9
236	Weintraub, Paul Lawrence, jr.	Pennsylvania	June 19, 1929	18	7
h4314	Welch, George Warren	do	June 18, 1929	19	6
i†43	Weller, John Francis	New York	July 15, 1929	17	6
54	Wendelburg, George	Wisconsin	July 2, 1929	18	1
115	Wendt, Waldemar Frederick August	do	July 5, 1929	17	4
386	Wentz, Ned James	Colorado	June 28, 1929	19	6
135	White, Clarence Marbury, jr.	Maryland	June 28, 1928	18	4
152	White, Donald Elliot	New Jersey	June 17, 1929	17	10
399	White John Duke	California	June 28, 1929	19	10
295	White, James Wilbur	Alabama	Aug. 26, 1929	19	1
273	White, Laurence Adams	California	June 28, 1929	19	7
*28	White, Richard Daniel	Ohio	June 17, 1929	17	3
158	Wiggin, Bruce Eastman	New Hampshire	do	19	8
503	Wiggs, Robert Jackson, jr.	Tennessee	June 18, 1929	20	3
188	Williams, Joseph Warford, jr.	Indiana	June 21, 1929	18	0
286	Winston, Philip Wallace	West Virginia	June 18, 1929	18	2
460	Winters, Wilbur Robert	California	June 26, 1929	18	11
r260	Wister, John Howard	New Jersey	June 20, 1929	18	0
dd151	Worthington, Francis Hardesty	Colorado	June 14, 1929	17	9
160	Wright, Archie Taylor, jr.	Texas	July 9, 1929	17	8
288	Wright, Gerald Roland	Kentucky	June 20, 1929	19	6
i†484	Wygant, Edward Guthrie	Oklahoma	Sept. 13, 1929	19	3
119	Yost, Herbert Carl	Kansas	June 28, 1929	19	11
458	Zimmerman, Raymond Paul	do	June 14, 1929	19	6

first year of their academic course, 545 members, June, 1930—Continued

Sea service in practice ships		Engineering and aeronautics	Mathematics	Electrical engineering and physics	English	Languages	Aptitude for service	Aggregate first year
		Maximum						
Months	Days	12	32	16	16	12	12	100
2	23	8.57	22.32	11.78	13.26	8.08	11.49	75.50
2	23	10.08	21.32	10.68	11.50	8.64	11.58	73.80
2	23	9.88	24.08	12.98	12.76	9.61	11.25	80.56
2	23	8.74	24.04	11.50	12.78	9.74	11.79	78.59
2	23	8.94	24.92	13.66	12.30	10.38	11.67	81.87
2	23	7.40	21.76	11.62	11.80	9.14	11.55	73.27
2	9	8.48	25.92	12.86	12.64	10.08	11.97	81.95
2	9	8.55	24.08	12.76	12.26	9.12	11.73	78.50
1	20	7.48	21.36	10.76	11.86	8.47	8.97	68.90
2	23	8.47	24.80	12.68	11.50	9.56	11.40	78.41
2	23	9.95	27.16	14.22	13.70	10.61	11.94	87.58
2	23	8.95	23.36	11.12	11.28	8.29	11.88	74.88
2	23	7.98	21.52	11.10	10.94	10.71	11.22	73.47
2	23	10.02	22.72	13.22	12.06	8.24	11.82	78.08
2	23	8.49	22.72	12.22	11.30	8.43	10.56	73.72
2	23	8.07	22.44	10.46	11.94	9.48	11.49	73.88
2	23	8.21	24.84	12.76	12.10	8.82	11.94	78.67
2	23	9.64	21.84	11.50	10.74	7.96	11.76	73.44
2	23	9.74	23.32	13.68	12.58	10.13	11.88	81.33
2	23	7.89	19.84	10.48	11.24	9.62	11.85	70.92
2	23	8.25	23.24	11.60	11.76	10.26	11.97	77.08
2	23	7.91	21.52	11.02	11.66	8.65	11.16	71.92
2	23	8.61	24.36	13.04	12.76	10.62	11.85	81.24
2	23	8.07	20.40	10.46	11.48	9.23	11.55	71.19
2	23	10.10	27.56	13.56	11.82	9.55	11.85	84.44
2	23	8.08	21.60	11.48	11.74	8.70	11.13	72.73
1	20	8.62	22.24	11.54	11.52	8.95	10.86	73.73
2	23	8.59	21.48	11.10	12.44	8.99	11.46	74.06
2	23	9.38	22.76	12.24	11.62	8.77	11.76	76.53
0	0	7.98	22.52	11.56	10.34	7.82	11.94	72.16
2	23	7.28	21.56	11.18	11.92	9.49	10.44	71.87
2	23	8.23	25.56	13.46	13.78	10.36	11.64	83.03
1	20	9.66	22.44	13.04	13.00	9.87	11.64	79.65
2	23	9.01	22.44	10.54	11.52	8.34	11.58	73.43
2	23	9.49	25.60	12.16	11.52	8.58	11.70	79.05
2	23	8.04	24.00	12.54	12.36	10.10	11.43	78.47
2	23	8.09	20.88	11.24	11.44	9.60	11.97	73.22
2	23	9.04	22.76	11.56	11.40	9.21	11.22	75.19
2	8	9.55	23.00	10.50	10.62	8.35	11.70	73.72
2	23	9.23	27.24	12.80	13.12	10.94	12.00	85.33
2	23	8.50	24.00	13.08	11.78	9.17	11.82	78.35
2	23	8.44	20.64	10.22	10.32	8.34	11.37	69.33
2	23	9.20	23.80	12.46	11.66	9.18	11.40	77.70
2	23	8.00	23.28	11.60	11.84	9.19	11.43	75.34
2	23	9.14	21.32	10.26	10.86	7.78	11.79	71.15
2	23	9.36	22.08	12.12	11.50	9.20	11.67	75.93
0	24	9.05	24.96	12.74	12.22	8.60	10.92	78.49
2	23	9.56	23.08	12.62	11.58	9.62	11.82	78.28
2	23	8.07	22.92	12.46	11.70	8.50	11.67	75.32
0	0	7.18	21.32	10.94	10.54	8.45	11.97	70.40
2	9	9.04	25.84	11.88	11.88	9.15	11.79	79.58
2	23	9.45	21.16	11.92	11.06	8.80	8.79	71.18

MIDSHIPMEN OF THE FOURTH CLASS

Midshipmen of the fourth class (class of 1934), 647 members

[Letters in italics used opposite names in the following list refer to footnotes at bottom of this list only]

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Abrahamson, Raymond Leon-ard.	Maine	June 12, 1930	19	4
Acquaviva, James	New Jersey	Aug. 11, 1930	16	7
Adams, Edward Lawrence	Virginia	July 7, 1930	18	1
Adams, Parks Madden	California	June 25, 1930	19	10
Adams, Spencer Moore	Florida	June 27, 1930	18	2
Adams, William Muirhead	Illinois	July 8, 1930	19	6
Ahlbrandt, Roger Sheridan	Ohio	July 7, 1930	18	3
Akeroyd, Richard George	Texas	June 17, 1930	18	5
Alberi, Danté Steven	New York	June 21, 1930	19	0
Alexander, Joe McKnight	North Carolina	June 19, 1930	18	9
Ambrose, Dennison Cooke	Idaho	June 18, 1930	17	8
Anderson, Howard Thomas Ewing.	Minnesota	June 17, 1930	18	0
Antoniak, Charles	New York	June 27, 1930	18	6
Arnold, Jackson Dominick	South Carolina	June 20, 1930	17	8
Artz, George Edwin	Virginia	June 19, 1930	18	7
Ashley, James Henry, jr.	Florida	June 27, 1930	19	4
Atkinson, Archibald Hunt	Oregon	June 16, 1930	19	6
Atwood, Harry, jr. b	Illinois	Aug. 25, 1930	19	3
Auld, Frank Willard	Maryland	July 2, 1930	17	1
Avise, John Ellsworth	Iowa	June 16, 1930	17	8
Ayer, Donald Holman	Maine	July 14, 1930	18	3
Babb, James Dunnington	West Virginia	June 20, 1930	18	11
Babb, John Herbert, jr.	Tennessee	June 19, 1930	18	10
Bachmann, Carl Henry	Missouri	June 13, 1930	20	2
Bailey, Claude Fenn b	Mississippi	Sept. 23, 1930	19	10
Bailey, Wendell Ernest b	North Dakota	Aug. 25, 1930	19	1
Bain, Willard Jackson	Iowa	June 16, 1930	18	3
Baird, Leonard James	do	June 23, 1930	19	2
Baker, Maury Davison, jr	At large (Pres.)	July 1, 1930	17	11
Baranowski, Walter Eugene	Wisconsin	June 30, 1930	18	11
Barham, Eugene Alexander	Louisiana	do	18	6
Barnard, Lewis, jr. b	Michigan	Aug. 25, 1930	17	10
Barner, Richard Long	Iowa	June 16, 1930	19	0
Barr, Eric Lloyd, jr.	Connecticut	June 19, 1930	18	2
Batcheller, Edgar Hadley	Oregon	do	20	2
Bathke, Ernest Siewert	Wisconsin	June 17, 1930	19	5
Bauer, Edward George	Minnesota	June 19, 1930	19	7
Baumberger, Walter Harlen	West Virginia	June 23, 1930	18	5
Beardslee, William Walter b	Michigan	Aug. 25, 1930	20	3
Becht, Lawrence Robert	do	July 24, 1930	19	7
Becker, Albert Lilly	Mississippi	June 23, 1930	18	7
Becker, Charles Henry	Virginia	June 18, 1930	18	11
Benedict, Arthur Lewis, jr.	At large (Pres.)	June 12, 1930	18	1
Bengston, Robert Carl	Illinois	June 27, 1930	19	7
Bentley, James Calvin	Michigan	June 13, 1930	18	7
Bertholf, Charles Marriner	California	June 19, 1930	17	6
Bex, Lloyd James	Oklahoma	June 12, 1930	18	6
Biard, Forrest Rosecrans	Texas	June 19, 1930	17	6
Biesecker, Morris Gawin	Indiana	June 18, 1930	19	2
Bingham, James Truman	Kentucky	June 16, 1930	19	7
Birthsel, Lawrence Hale, jr.	Texas	June 18, 1930	17	10
Biwerse, Denis Harry	Wisconsin	June 19, 1930	18	1
Blackford, Max	West Virginia	June 27, 1930	19	9

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Blakely, Edward Noe-----	Pennsylvania-----	June 30, 1930	18	1
Blakely, John Siler <i>b</i> -----	Alabama-----	Sept. 2, 1930	19	8
Blanchard, Richard Sawyer-----	New Hampshire-----	July 14, 1930	17	8
Blenman, Charles, <i>jr</i> -----	Arizona-----	June 12, 1930	19	0
Blohm, Lyle McKenzie-----	Illinois-----	June 13, 1930	18	10
Blount, Cecil Edward-----	North Carolina-----	June 24, 1930	17	6
Bly, Richard Eugene-----	Texas-----	June 16, 1930	20	2
Bond, George Hastings-----	Pennsylvania-----	July 17, 1930	17	3
Bourke, Robert Emmet-----	New Jersey-----	June 30, 1930	18	6
Boutelle, Richard Roome-----	Pennsylvania-----	June 28, 1930	16	5
Boyle, Francis Dennis-----	Washington-----	June 30, 1930	19	11
Boyle, Peter Frederick-----	Illinois-----	June 27, 1930	19	5
Bozarth, John William-----	Nebraska-----	July 1, 1930	20	3
Bradbard, Samuel-----	New Hampshire-----	June 27, 1930	19	4
Bradley, Francis Dean-----	Nevada-----	June 17, 1930	18	10
Brewer, Charles Walter-----	Oklahoma-----	June 18, 1930	19	2
Breyer, Edward Aaron-----	Pennsylvania-----	June 27, 1930	20	3
Brinker, Robert Marion-----	Illinois-----	Sept. 2, 1930	20	0
Brock, James Ward-----	New Jersey-----	July 1, 1930	19	2
Brockett, William Alden-----	Connecticut-----	June 20, 1930	16	4
Bromer, Frederic Prizer-----	Pennsylvania-----	July 7, 1930	19	5
Bromley, John Richard-----	Rhode Island-----	June 30, 1930	17	3
Brooks, William Born-----	Texas-----	June 12, 1930	17	0
Broughton, William Frederick, 3d.	Connecticut-----	do-----	19	0
Brown, Samuel Robbins, <i>jr</i> -----	New York-----	Aug. 15, 1930	17	3
Brown, Stanley August-----	Illinois-----	June 30, 1930	20	0
Browne, George Henry-----	New York-----	July 1, 1930	18	7
Broyles, Ned Butler-----	Alabama-----	June 27, 1930	19	5
Bruchez, Ernest Valentine-----	Louisiana-----	June 13, 1930	19	11
Buckalew, Meriwether Walker-----	Alabama-----	June 23, 1930	18	8
Buess, William Gerard-----	Connecticut-----	June 19, 1930	17	7
Bullen, George Scruggs-----	Louisiana-----	June 17, 1930	19	0
Bullen, Jacob Thompson, <i>jr</i> -----	do-----	do-----	19	0
Buse, Henry William, <i>jr</i> -----	Pennsylvania-----	July 7, 1930	18	3
Butler, John Augustus-----	Louisiana-----	June 19, 1930	19	9
Butterworth, Christy Clair-----	Arkansas-----	June 16, 1930	17	9
Button, Thomas Byron-----	Connecticut-----	July 21, 1930	17	11
Caldwell, Clyde Graham-----	Georgia-----	June 23, 1930	18	5
Calhoun, William Lowndes, <i>jr</i> -----	Florida-----	June 19, 1930	18	2
Callister, Thomas Kenneth-----	Utah-----	Aug. 7, 1930	18	4
Campbell, Harold William, <i>jr. b</i> -----	West Virginia-----	Aug. 25, 1930	18	2
Canon, Robert Henry-----	Mississippi-----	June 17, 1930	17	8
Carow, Wilmer Stewart-----	Wisconsin-----	June 30, 1930	19	11
Carroll, Herbert Fuller, <i>jr</i> -----	North Carolina-----	June 19, 1930	18	9
Carson, Mather Arthur-----	Arkansas-----	June 30, 1930	19	11
Carter, Clark Randolph-----	California-----	June 12, 1930	18	8
Carter, Joseph Coleman, <i>jr</i> -----	Kentucky-----	July 14, 1930	19	10
Casey, Kendall-----	Arkansas-----	June 18, 1930	17	6
Cassidy, William Francis-----	Texas-----	June 28, 1930	19	1
Chambers, Lester Smith <i>tb</i> -----	Alabama-----	July 8, 1929	17	5
Champlin, Malcolm McGregor-----	California-----	June 19, 1930	19	0
Chandler, Robert Alexander-----	South Carolina-----	July 14, 1930	17	7
Cheney, Wilbur Haines, <i>jr</i> -----	Kansas-----	June 16, 1930	18	2
Christensen, Ernest Edward-----	At large (Pres.)-----	June 12, 1930	16	10
Chung-Hoon, Gordon Paiea-----	Hawaii-----	June 16, 1930	19	11
Church, William Campbell Gibson.	Idaho-----	June 19, 1930	16	10

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from--	Date of admission	Age at date of admission	
			Years	Months
Clarey, Bernard Ambrose-----	Iowa-----	July 14, 1930	18	2
Clark, Charles Hoffman-----	Maryland-----	July 7, 1930	19	4
Clark, Clayton Smith-----	Pennsylvania-----	July 21, 1930	19	7
Clark, Lawrence Bonner-----	North Carolina-----	June 17, 1930	17	8
Clifford, George Moore-----	Virginia-----	June 18, 1930	18	3
Clopton, James Malvern-----	Alabama-----	June 23, 1930	18	8
Close, Robert Hamilton-----	New York-----	June 25, 1930	17	3
Cloud, Alexander Benson-----	do-----	June 19, 1930	18	7
Clute, James Maurice-----	do-----	June 18, 1930	19	8
Cochran, Dale Eugene-----	Nebraska-----	June 17, 1930	19	2
Coen, Carlton Benjamin-----	Pennsylvania-----	June 23, 1930	19	3
Coffin, Albert Peyton-----	Indiana-----	June 17, 1930	18	8
Cole, Allyn, jr-----	Colorado-----	June 19, 1930	18	1
Cole, Harold Elwood-----	Pennsylvania-----	June 18, 1930	19	7
Coleman, Wilson McConnell-----	Alabama-----	June 16, 1930	18	4
Coley, Charles Coston-----	Oklahoma-----	June 18, 1930	19	1
Collins, William Magill, jr-----	Wisconsin-----	July 10, 1930	18	11
Compton, James Richard-----	Missouri-----	June 13, 1930	19	6
Condon, John Pomeroy-----	Michigan-----	July 7, 1930	18	10
Cook, Harry Edward, jr-----	Arkansas-----	June 23, 1930	18	11
Cook, Paul Chronical-----	Tennessee-----	Aug. 7, 1930	18	8
Cooper, Ernest Greene, jr. b-----	Maryland-----	Sept. 22, 1930	19	9
Corbin, Henry Clark-----	Illinois-----	June 12, 1930	19	3
Corbin, William Leslie-----	At large (Pres.)-----	July 14, 1930	18	5
Cordiner, Douglas Lee Lipscomb.	do-----	June 17, 1930	18	4
Cotten, John Henderson-----	North Carolina-----	June 23, 1930	17	0
Cown, Julian Blanchard-----	Georgia-----	June 16, 1930	18	6
Coxe, Lewis Crocker-----	Texas-----	June 25, 1930	17	10
Craft, James Pressley, jr-----	Georgia-----	July 2, 1930	16	8
Cress, Herbert Clyde, jr-----	Kentucky-----	July 1, 1930	19	9
Criswell, Robert Parker tb-----	California-----	June 14, 1929	19	9
Crowell, Robert Burns-----	New York-----	June 27, 1930	18	9
Crutcher, William Rolston-----	Alabama-----	June 23, 1930	17	10
Daigle, Raymond Joseph-----	Louisiana-----	June 19, 1930	19	5
Danenhower, John b-----	New York-----	Aug. 25, 1930	20	3
Daunis, Stanley Stephen-----	Massachusetts-----	June 19, 1930	19	0
Davies, Robert Henry-----	Ohio-----	Aug. 18, 1930	18	3
Davis, Adelbert John, jr-----	Oregon-----	June 12, 1930	20	0
Davis, Eugene Worthington-----	Washington-----	June 19, 1930	18	7
Davis, George Fleming-----	Hawaii-----	July 1, 1930	19	3
Davis, John Kenneth-----	California-----	June 27, 1930	18	1
Davis, James Robert-----	Rhode Island-----	June 18, 1930	17	10
Davison, George Glass-----	Pennsylvania-----	June 25, 1930	18	10
Day, Baiton Eldred-----	New Jersey-----	June 17, 1930	19	2
Day, Howard Earl, jr-----	Vermont-----	June 30, 1930	17	10
Deakin, Harold Osborne-----	Utah-----	June 16, 1930	17	5
Dean, William Arthur, jr-----	Texas-----	June 17, 1930	19	5
Denby, Edwin, jr-----	Michigan-----	July 8, 1930	18	1
Deragon, William Noin-----	New York-----	June 17, 1930	19	3
Dickey, Joseph Lyle-----	Missouri-----	June 30, 1930	19	9
Dickey, Willie Mills-----	Texas-----	June 18, 1930	19	1
Dickinson, Clarence Earle, jr-----	North Carolina-----	June 12, 1930	17	6
Dissette, Edward Farwell-----	Michigan-----	July 1, 1930	19	1
Dixon, Duncan Patterson, jr-----	Alabama-----	June 30, 1930	18	6
Dodd, Valdo Clare-----	Michigan-----	Sept. 8, 1930	19	8
Donaldson, Robert-----	Florida-----	July 2, 1930	17	11
Dorschner, Reginald Anton-----	Minnesota-----	July 1, 1930	20	0
Doss, Clarence Thomas, jr-----	Arkansas-----	do-----	17	6

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Drumtra, William James	New York	July 14, 1930	19	5
Dry, Melvin Hulquist	Pennsylvania	June 12, 1930	19	4
DuBois, Thomas Hodgskin	At large (Pres.)	do	18	0
Dutton, William Tenney	Rhode Island	July 1, 1930	17	5
Eberle, Jean Frank	Missouri	June 12, 1930	19	4
Ede, Alfred Louis	Nevada	July 10, 1930	16	8
Edrington, Thomas Craighead, 3d.	Arkansas	June 16, 1930	17	8
Edwards, David Samuel, jr.	California	June 19, 1930	18	11
Edwards, Milton Frank	New Jersey	July 1, 1930	20	1
Ellenberger, Edward George	Maryland	June 19, 1930	20	2
Erwin, Sidney Lyle	Michigan	June 17, 1930	18	5
Eslick, Mark, jr.	Tennessee	June 19, 1930	19	1
Ethridge, Walker	Mississippi	June 17, 1930	17	5
Evans, William Thomas	Tennessee	June 23, 1930	19	2
Fagan, Edward Mallon	Ohio	July 28, 1930	19	10
Fahy, Edward Joseph	New York	June 19, 1930	20	1
Fairweather, Robert Scobie	New Jersey	June 27, 1930	19	7
Farwell, Charles Bradford b.	Minnesota	Aug. 25, 1930	18	10
Fell, Charles Woodford	Indiana	June 19, 1930	18	7
Ferguson, John Norwood, jr.	North Carolina	June 25, 1930	17	9
Fischer, Charles Fink	Pennsylvania	Aug. 4, 1930	16	10
Fisher, Edwin Shelton	Tennessee	July 15, 1930	19	2
Fitzpatrick, James Francis, jr.	New York	July 16, 1930	18	7
Fleck, Francis Edward, jr.	Illinois	July 8, 1930	17	9
Fletcher, Francis O'Conner, jr.	North Carolina	June 12, 1930	19	0
Florence, John Williams	Oklahoma	June 19, 1930	18	8
Fly, William Lafayette, jr. b.	Missouri	Aug. 25, 1930	19	8
Flynn, Leonard John	New York	July 22, 1930	18	7
Foley, Charles Leslie	Kentucky	June 27, 1930	20	1
Foley, James Francis	Massachusetts	do	19	11
Foley, William Joseph	Illinois	July 7, 1930	17	4
Fortune, Robert Meriwether	Tennessee	June 18, 1930	18	0
Foster, John Lee	New York	June 30, 1930	17	6
Fowlkes, Edward Taylor b.	Alabama	Aug. 25, 1930	19	4
Franck, William Norman	Pennsylvania	July 28, 1930	19	7
Fraser, Donald Woodrow	do	June 27, 1930	20	1
Freedman, Lewis	North Dakota	July 17, 1930	16	8
Freeman, Ross Edmunston	South Carolina	June 27, 1930	19	4
Frey, Charles Weiser b.	Pennsylvania	Aug. 25, 1930	20	5
Froeling, Wendell Hilding	New Jersey	June 19, 1930	18	7
Frost, John Bennett	New York	June 17, 1930	19	7
Fuchs, Joseph Paul	do	do	16	5
Fulghum, Benjamin Cornelius	Georgia	June 20, 1930	19	7
Fuller, Harold Douglas	Wisconsin	June 16, 1930	17	9
Fulp, James Douglas, jr. b.	South Carolina	Aug. 25, 1930	20	0
Gautzsch, Frederick Ivory	Pennsylvania	June 30, 1930	17	10
Gearing, Henry Chalfant, 3d.	do	June 20, 1930	17	10
Gebelin, Albert Louis	New York	June 27, 1930	18	3
Geist, John Willard tb.	Pennsylvania	June 26, 1929	20	0
Gerlach, Charles Henry	Ohio	June 20, 1930	17	7
Gillmer, Thomas Charles	do	June 30, 1930	18	11
Goff, Marvin Edwin	West Virginia	June 27, 1930	20	2
Gorham, Alonzo Dumay	North Carolina	June 18, 1930	18	1
Graham, Robert Wallace	New York	Aug. 18, 1930	18	11
Gralla, Arthur Robert	do	June 17, 1930	17	2
Grant, Mark Alfred	Mississippi	do	19	0
Green, John Cawley tb.	P. A. 348 (Pres.)	June 24, 1929	19	4
Greenman, Franklin Pierce	New York	July 14, 1930	16	5

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Greer, Harry Holt, jr.	Pennsylvania	June 24, 1930	19	4
Gregory, Archie Leroy	Indiana	July 1, 1930	19	8
Griffin, Gordon Alexander	Virginia	July 14, 1930	18	7
Griffin, Harold John	New York	June 27, 1930	19	11
Griffith, Walter Thomas	Louisiana	do	19	1
Gris, Robert Maurice	New York	June 17, 1930	18	9
Grosh, Harold Arthur	Delaware	June 19, 1930	19	0
Grossman, George Sample, jr. b.	do	Aug. 25, 1930	18	7
Gunn, Frederick Arthur	Kansas	June 16, 1930	18	8
Guthrie, Thompson Clyde, jr.	Kentucky	July 7, 1930	18	2
Guthrie, William Lowry	Pennsylvania	June 13, 1930	17	5
Hagel, Arthur John Joseph	Kentucky	June 27, 1930	20	2
Halley, Edgar Josiah	Texas	July 1, 1930	20	2
Halligan, James Edward, jr.	Louisiana	do	17	2
Hallock, Robert Frederick	Pennsylvania	June 19, 1930	18	8
Hammond, Clement James b.	New York	Aug. 25, 1930	19	1
Hampson, John Crawford	do	June 30, 1930	19	6
Hampton, Isaiah Martin, tb	Texas	June 18, 1929	18	8
Hanlon, Daniel Edward, jr.	New Jersey	Sept. 6, 1930	19	11
Harbold, Robert Pattison, jr.	District of Columbia	June 27, 1930	19	9
Hardy, Robert James	Illinois	June 17, 1930	19	10
Harllee, John	Florida	June 23, 1930	16	6
Harper, Cecil Kelly	Illinois	June 16, 1930	19	4
Harper, Thaddeus Stevens, jr. tb.	Missouri	June 17, 1929	19	2
Harris, Charles Lyle, jr.	California	July 1, 1930	19	11
Hartman, Frank Edward	Colorado	June 27, 1930	20	2
Harvard, Fountain Eugene	Georgia	June 16, 1930	18	6
Hastings, Richard Ellis b.	Delaware	Aug. 25, 1930	20	0
Hastings, Willard Edward	North Dakota	June 16, 1930	18	1
Hatch, Brooke Henry	California	July 7, 1930	18	1
Hawes, Frederick William	Washington	June 16, 1930	19	10
Haworth, Merton Dale	Kansas	July 1, 1930	18	11
Hay, Alexander Guion	Ohio	June 13, 1930	19	8
Heath, George Dawson, III	South Carolina	June 18, 1930	18	6
Hedgecock, Leonard Ward	California	Sept. 18, 1930	20	5
Heerde, Frederick Charles	Massachusetts	June 18, 1930	19	0
Hembury, William Conrad	New York	July 14, 1930	16	11
Henderson, Charles Mitchell	Louisiana	June 18, 1930	19	2
Hendrick, Norman Price	Kentucky	July 1, 1930	19	10
Herbert, William Haynes	Mississippi	June 23, 1930	17	0
Hill, George Amos, jr.	New Jersey	June 12, 1930	18	6
Hill, Herbert Dudley	Alabama	June 16, 1930	17	11
Hine, Thomas Ringle	Pennsylvania	do	19	9
Hobbs, June Page	North Carolina	July 21, 1930	18	5
Hoffman, George Dewey	Delaware	June 18, 1930	19	2
Holladay, Douglas Stockton b.	Virginia	Sept. 22, 1930	19	2
Hommel, Robert Emerson	New York	July 1, 1930	18	8
Honnold, Isaac Preston b.	Illinois	Sept. 25, 1930	20	0
Hopkins, Robert Hugh	California	June 27, 1930	18	5
Horton, John Aiken, jr.	South Carolina	June 30, 1930	18	1
Houck, Ray Wallen, tb	Kansas	June 28, 1929	18	8
House, Arthur Caswell, jr.	North Carolina	Aug. 15, 1930	19	8
House, Arthur Emerson	New York	July 28, 1930	19	2
Houston, Robert Cecil	Illinois	July 14, 1930	18	3
Howard, John William	Texas	June 23, 1930	18	2
Hunt, Richard Clayton	Alabama	June 16, 1930	18	10
Hunter, Percival, jr. tb.	Illinois	July 29, 1929	19	10
Hutchings, Curtis Howell	Florida	June 17, 1930	18	7

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Hyde, John Milton	New York	June 19, 1930	19	10
Hyland, John Joseph	Massachusetts	June 23, 1930	17	10
Ingersoll, Royal Rodney, 2d	Indiana	June 16, 1930	16	6
Ingling, Alan Lloyd <i>tb</i>	Pennsylvania	Aug. 12, 1929	18	9
Ingram, Carlyle	Georgia	June 20, 1930	17	1
Ireland, Maurice Thompson	Michigan	June 25, 1930	18	8
Irvine, Donald Greer	Iowa	June 30, 1930	19	7
Jackson, Charles Pollard, jr	Alabama	June 23, 1930	17	7
Jeter, Ervin Russell	Mississippi	Sept. 2, 1930	18	9
Joachim, Paul Lamar	New York	June 30, 1930	18	3
Johnson, Frank Ernest	Arizona	June 16, 1930	19	0
Johnson, Herbert Toben	Missouri	Aug. 16, 1930	19	2
Johnson, James Everett	Mississippi	July 10, 1930	19	8
Johnson, Nels Clarence	New Hampshire	July 14, 1930	18	0
Johnston, Dewey George <i>tb</i>	Oklahoma	July 22, 1929	19	6
Johnston, Robert King	South Dakota	July 7, 1930	18	10
Jones, Edwin Kuykendall	Texas	June 20, 1930	19	7
Jones, Kinsey	Colorado	June 24, 1930	18	7
Jordan, Enoch Pope, jr	Georgia	June 16, 1930	18	1
Jurado, Enrique Lopez	Philippine Islands	July 14, 1930	19	0
Kait, Herman Hart	Pennsylvania	June 27, 1930	20	2
Kane, Richard Francis	Massachusetts	June 20, 1930	17	6
Kearney, Charles Chace	Nebraska	June 16, 1930	19	8
Kearns, John William	Wisconsin	June 19, 1930	17	9
Keller, William Walton	Pennsylvania	June 30, 1930	17	4
Kelly, Francis Albert Georges	Texas	July 1, 1930	19	11
Kenney, John Frusher	California	do	18	3
Kerby, Kenneth David	Idaho	June 27, 1930	19	7
Kesl, William Joseph	Michigan	June 23, 1930	18	10
Key, Hobart, jr	Texas	June 18, 1930	17	3
Kilhefner, Albert Edward	Pennsylvania	July 7, 1930	20	1
Kilmartin, Alfred Dunn	Michigan	July 14, 1930	18	2
Kimbell, Henry Tyus, jr. <i>tb</i>	Oklahoma	June 20, 1929	19	3
Kingsley, Neil Edgar	Iowa	June 16, 1930	18	3
Kinsella, William Thomas	Pennsylvania	July 11, 1930	17	2
Kirkpatrick, Claude Siceluff	Oklahoma	June 18, 1930	19	8
Kisor, Manown	Pennsylvania	do	18	4
Kleppinger, Lehman Horn	do	June 20, 1930	18	8
Klunk, Richard Stewart	do	Sept. 15, 1930	18	0
Knapp, Gerald Anton <i>tb</i>	Washington	June 28, 1929	19	1
Knerr, Hugh Salisbury	At large (V. P.)	June 23, 1930	17	2
Kopff, Richard Garms	New York	July 21, 1930	16	10
Kossler, Herman Joseph	At large (Pres.)	June 13, 1930	18	6
Kramer, William Moltz	Pennsylvania	June 18, 1930	17	6
Krapf, Arthur Elmer	Maryland	June 27, 1930	19	3
Krueger, Douglas Lawrence	Minnesota	Aug. 19, 1930	19	10
Krulak, Victor Harold	Wyoming	June 19, 1930	17	5
Latham, Richard Clark	New York	June 26, 1930	19	2
Lautrup, George William, jr	do	June 17, 1930	18	3
Lawrence, William Henry	Michigan	July 2, 1930	17	1
Lawson, Ernest Charles, jr	West Virginia	July 23, 1930	18	7
LeClerq, Norman Charles	Missouri	June 19, 1930	19	6
Lee, Edwin Samuel, jr	Ohio	July 7, 1930	17	4
Lee, Robert Matthews	California	June 27, 1930	19	0
Leeman, Robert Whitney	New Hampshire	June 17, 1930	18	8
Lefelar, Louis, jr	New Jersey	do	19	9
Lemons, Jack	Oklahoma	June 23, 1930	19	11
Lenhart, Thomas Burt	Colorado	July 1, 1930	19	10
Lennox, William Robert	New York	July 21, 1930	18	5

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Lewis, Charles Douglas-----	Mississippi-----	June 17, 1930	19	3
Lewis, Hugh Howard <i>tb</i> -----	Texas-----	July 17, 1929	18	9
Lewis, Harrison Raymond, jr-----	Massachusetts-----	June 12, 1930	18	5
Lewis, Joseph Seaman-----	Louisiana-----	June 23, 1930	19	0
Leyde, Glen Warren-----	Minnesota-----	June 27, 1930	19	2
Lindblad, Theodore Harrison-----	At large (Pres.)-----	July 8, 1930	18	6
Lloyd, Weldon Harrison-----	North Carolina-----	June 18, 1930	19	10
Logsdon, Earl William-----	Colorado-----	June 30, 1930	16	7
Lowe, John Thompson, jr-----	North Carolina-----	June 19, 1930	17	9
Lucas, Samuel Brooks <i>b</i> -----	West Virginia-----	Sept. 8, 1930	20	2
Lundberg, Nils Harry-----	Vermont-----	July 8, 1930	17	7
Lundfelt, Marvin Ellsworth-----	Pennsylvania-----	July 1, 1930	18	7
Mackenzie, Colin Jack-----	Wyoming-----	June 19, 1930	19	8
MacLeod, Warren Smith-----	Maryland-----	do-----	19	8
Maddox, William Squire-----	California-----	June 20, 1930	18	11
Magruder, Peyton Marshall-----	Illinois-----	June 16, 1930	18	8
Mann, Charles Clark-----	Louisiana-----	do-----	17	9
Mann, Richard Leslie-----	At large (Pres.)-----	June 12, 1930	17	10
Manning, Arthur Reburg-----	Utah-----	June 19, 1930	19	2
Mannix, Daniel Pratt, 4th-----	Pennsylvania-----	June 18, 1930	18	8
Maples, Hugh Marion-----	Arkansas-----	July 8, 1930	19	3
Marcoux, Heliodore Aimé-----	New Hampshire-----	July 14, 1930	20	0
Marlowe, Robert Aloysius <i>b</i> -----	California-----	Sept. 29, 1930	20	1
Marshall, Frank Gilkerson, jr-----	Maryland-----	June 17, 1930	18	3
Martin, John Croysdale-----	Illinois-----	do-----	19	11
Martin, William Inman-----	Missouri-----	June 12, 1930	19	1
Matthews, Wilton Edgar-----	Texas-----	July 1, 1930	20	1
Mayers, Vaden Raymond-----	Missouri-----	Aug. 25, 1930	18	4
Maynard, Russell Hatton-----	Massachusetts-----	July 7, 1930	17	11
McCall, George Edward-----	New York-----	Aug. 15, 1930	20	4
McClung, Edgar Raymond, jr-----	Indiana-----	June 19, 1930	17	0
McCombs, Paul-----	Colorado-----	June 23, 1930	17	5
McCormick, Aloysius Elliott, jr.-----	New York-----	June 17, 1930	19	7
McCormick, William Morgan-----	New Jersey-----	June 16, 1930	18	0
McEntee, Girard Lindsley, jr-----	New York-----	June 17, 1930	18	10
McGill, William Neil-----	Nevada-----	do-----	19	6
McGillis, John Frink-----	Washington-----	June 18, 1930	20	1
McGoff, John Edward <i>b</i> -----	Vermont-----	Sept. 15, 1930	19	8
McGowan, Richard-----	Montana-----	June 30, 1930	17	8
McGrath, Thomas Dana-----	Illinois-----	July 14, 1930	17	8
McKee, Kenneth Henry-----	Ohio-----	June 23, 1930	19	0
McKeithen, Edwin Thornwell, jr.-----	North Carolina-----	June 18, 1930	18	3
McKissack, Thompson Pope <i>b</i> -----	Tennessee-----	Aug. 25, 1930	19	11
McLaren, Earle Kenneth-----	Illinois-----	July 7, 1930	17	10
McLean, Ronald Edward-----	Massachusetts-----	June 27, 1930	20	0
McMahon, John Merton-----	New York-----	June 30, 1930	17	11
McMillan, William-----	Wisconsin-----	July 28, 1930	19	1
McNaughton, John Bruce-----	Pennsylvania-----	June 30, 1930	18	2
Mecleary, Elmer Read-----	New York-----	June 12, 1930	18	2
Menges, Robert Henry-----	Missouri-----	do-----	18	7
Meriwether, Daniel Fleming-----	Kentucky-----	July 1, 1930	19	10
Merrick, Gorman Coady-----	Michigan-----	June 27, 1930	20	0
Merrill, Grayson-----	California-----	June 13, 1930	18	5
Merrill, Ralph Standish <i>tb</i> -----	Florida-----	June 20, 1929	18	9
Merrill, Sidney Douglas Bax- ton-----	Rhode Island-----	June 19, 1930	16	3
Merrill, Wayne Rucker-----	Missouri-----	June 17, 1930	17	10

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Metcalf, John	Iowa	June 16, 1930	18	1
Metcalf, Paul Thompson	Ohio	July 7, 1930	17	11
Middleton, Carl White, jr.	California	June 19, 1930	20	0
Milbrath, Robert Henry	Wisconsin	July 21, 1930	18	3
Miller, David Charles	Michigan	June 12, 1930	19	4
Miller, Henry Louis	Alaska	July 7, 1930	18	0
Miller, John George	Ohio	July 3, 1930	19	3
Miller, Leonard Manning	Indiana	June 27, 1930	18	7
Miller, Stuart Paul	Pennsylvania	Aug. 11, 1930	19	1
Milner, Robert Miller	At large (Pres.)	June 12, 1930	18	9
Montross, Joseph George	Michigan	July 7, 1930	18	6
Moore, Allen Willis	Maryland	June 19, 1930	18	4
Moran, Patrick Charles	New York	June 20, 1930	18	0
Morland, John Benjamin	Kansas	June 16, 1930	18	11
Mowery, William Garfield, jr.	Pennsylvania	June 19, 1930	18	4
Mulcahy, Timothy John, jr.	New York	June 13, 1930	18	3
Mullan, Hugh b.	do	Aug. 25, 1930	18	9
Mulquin, Edward Joseph	Connecticut	July 7, 1930	19	7
Mumma, George Edwin tb	Iowa	July 5, 1929	18	4
Murphy, Frank James b.	do	Aug. 25, 1930	19	5
Murphy, William Clarence	Massachusetts	June 27, 1930	18	10
Murray, Hugh Quin	Georgia	June 30, 1930	17	8
Nauman, Harley Kent	Kansas	June 13, 1930	19	6
Neet, James Russell	Indiana	June 16, 1930	20	1
Nelson, Clyde Ralph	Illinois	July 22, 1930	17	7
Newell, James Harold	Georgia	July 7, 1930	19	1
Newman, Arthur Lester	New York	June 27, 1930	19	5
Newsom, Jack	Indiana	June 12, 1930	20	0
Nichols, John Culver	Illinois	June 20, 1930	20	0
Nichols, Richard Eugene	California	June 27, 1930	18	7
Nicol, George Beaton	Ohio	June 19, 1930	17	8
Nielsen, Homer Howard	Missouri	July 1, 1930	18	3
Nienstedt, Donald Albert	California	June 26, 1930	18	8
Nixon, Eugene Blair	do	June 12, 1930	18	8
Novitski, Francis Joseph	Wisconsin	June 20, 1930	16	4
Nusom, Frank Allen	Texas	July 7, 1930	17	2
Nutt, James Stanley	Ohio	June 19, 1930	17	10
Oakley, Thomas Benjamin, jr.	New York	June 20, 1930	18	4
O'Brien, Francis Robert	Montana	June 18, 1930	18	6
O'Donnell, James Francis	New York	July 21, 1930	19	4
O'Kane, Richard Hetherington	New Hampshire	July 14, 1930	19	5
Okerlund, Ray Forest	California	July 1, 1930	19	10
Oliver, John Leslie	Missouri	June 20, 1930	18	5
Oliver, Robert John	Ohio	June 18, 1930	19	10
O'Neill, Bernard Andrew	Maryland	July 21, 1930	18	11
Ours, Statton Ray, jr.	West Virginia	June 18, 1930	19	5
Ovrom, Robert Johnson	Wisconsin	June 20, 1930	18	0
Owers, James Elliott	Massachusetts	do	16	11
Packard, Arden	California	June 27, 1930	19	2
Paine, Charles Bodwell, jr.	Maine	July 14, 1930	18	2
Papp, Zoltan	Ohio	June 27, 1930	19	10
Parker, John Haydon	Wyoming	June 19, 1930	18	9
Parks, Floyd Bruce	Missouri	June 27, 1930	19	5
Parsons, George Evald Theodore.	Massachusetts	do	20	1
Paton, Robert Arthur	New York	July 15, 1930	17	10
Payne, Frederick Rounsville, jr.	do	June 12, 1930	18	10
Payne, Raymond	Mississippi	July 21, 1930	18	4
Payntor, Curtis Alvin	Indiana	June 30, 1930	18	5

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Peacock, Harold Herman	Iowa	June 20, 1930	19	4
Peacock, Thomas Allen	Texas	June 19, 1930	19	6
Pearce, Kenneth Guy	California	June 27, 1930	19	5
Peddy, Calaway Hill	Georgia	June 23, 1930	18	0
Peeler, William Randolph	Missouri	June 12, 1930	19	10
Pegelow, Frederic George b	Illinois	Aug. 25, 1930	19	8
Perkins, Grafton Brookhouse, jr.	Massachusetts	June 17, 1930	17	5
Pesante, Juan Bautista	Porto Rico	July 28, 1930	18	11
Peterson, Ward Joseph	Minnesota	June 19, 1930	18	10
Petrie, Clarence Walker	North Carolina	June 27, 1930	19	9
Pfotenhauer, Fred Dorst	Missouri	June 17, 1930	20	2
Phelps, John Mitchell	California	June 12, 1930	17	11
Phillips, Seiler George	Pennsylvania	June 18, 1930	20	1
Phoenix, Albert Joseph	Vermont	July 7, 1930	20	1
Pilcher, Campbell	Michigan	June 30, 1930	17	7
Pinney, Frank Lucius, jr.	Connecticut	June 25, 1930	17	3
Pittard, George Franklin	Georgia	June 27, 1930	18	11
Platt, Francis Chedsey	Pennsylvania	July 7, 1930	19	7
Powell, Edgar Samuel, jr.	Minnesota	June 17, 1930	19	8
Powell, James Wade	North Carolina	July 1, 1930	20	3
Power, Reginald Carroll	Kentucky	July 21, 1930	18	5
Powers, Bennet Gordon	Illinois	July 8, 1930	17	9
Pratt, Richard Turner, jr.	Virginia	June 19, 1930	18	6
Prentice, Joseph Rollin b	Nebraska	Aug. 25, 1930	19	8
Presler, Irving Stahl	Ohio	June 19, 1930	19	3
Price, Forrest Marion	Texas	June 17, 1930	20	2
Price, Lowell Scherich	Oklahoma	do	18	2
Pryor, James Chambers, jr.	Tennessee	June 12, 1930	17	5
Pugh, Donald Ellsworth	Colorado	June 23, 1930	19	3
Quesnell, Edmond Rudell	Minnesota	July 29, 1930	19	11
Quinn, James Francis, jr.	Illinois	June 27, 1930	18	6
Raborn, Albert	Florida	June 19, 1930	19	9
Ramsey, Milton Stuart	Pennsylvania	June 18, 1930	19	0
Randolph, Silas David	Illinois	July 1, 1930	19	10
Rankin, Ronald Quentin	Arkansas	June 23, 1930	19	6
Ray, Martin Hasset, jr.	New York	June 17, 1930	16	10
Rector, James Alexander, jr.	Kansas	July 1, 1930	18	4
Reeves, Malcolm Clephane	South Carolina	July 7, 1930	19	8
Rice, Tolbert Alexander	Alabama	June 19, 1930	18	3
Rider, Eugene Carter	Kentucky	June 17, 1930	17	4
Ring, Edward Patrick	Connecticut	June 20, 1930	18	5
Risser, Robert Dunlap	Iowa	June 16, 1930	18	4
Ritsøn, Ernest Leo Edward	New Jersey	June 19, 1930	19	6
Rittenhouse, Ellis Brooks	Delaware	July 21, 1930	18	7
Robbins, Burton McKeen	Florida	June 27, 1930	20	3
Robbins, Orme Campbell	Alabama	June 19, 1930	17	4
Robbins, William Isaac	North Carolina	June 27, 1930	19	9
Robertson, Robert Neal	Texas	June 19, 1930	17	7
Robinson, Richard Stevens	Maine	July 1, 1930	19	9
Robuck, Edmund Ralph	California	June 26, 1930	19	7
Roenigk, John George	Pennsylvania	June 18, 1930	18	3
Rohr, Clifford Maxwell	New York	June 17, 1930	17	3
Rooney, Carl William	do	June 27, 1930	19	3
Rosenberg, Marvin Irving	Colorado	June 19, 1930	18	5
Rottet, Ralph Kaspar	Indiana	June 24, 1930	19	4
Ruffin, George Champion, jr.	Virginia	June 18, 1930	17	3
Rush, Samuel Opdyke, jr.	North Carolina	June 24, 1930	19	1
Rutherford, Reginald	District of Columbia	June 27, 1930	16	10

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Sample, Leon Hughes	Mississippi	June 24, 1930	17	7
Sapp, John Wesley, jr.	Wyoming	June 19, 1930	18	11
Saunders, Theodore Sheppard	Georgia	June 27, 1930	19	3
Savige, Paul Sheppard, jr.	Washington	June 18, 1930	18	1
Scanland, Francis Worth, jr.	Louisiana	June 17, 1930	17	9
Schantz, Edwin Hillegas	Pennsylvania	June 19, 1930	19	10
Schatz, Otto Carl, jr.	California	June 12, 1930	17	9
Scheibla, Louis Collins	Kentucky	Aug. 28, 1930	18	7
Scherer, Donald Arthur	Florida	June 13, 1930	18	9
Schnable, Allan George	New Jersey	June 17, 1930	19	9
Schoenweiss, Carl William	New York	July 16, 1930	18	7
Schofield, Leslie Harrison	Utah	June 18, 1930	16	6
Schreiber, William Henry	Illinois	June 16, 1930	18	10
Schuessler, Bernard Holstun	Alabama	June 24, 1930	18	1
Schulz, Lester Robert	Colorado	June 30, 1930	17	3
Schwartz, James English	Pennsylvania	June 12, 1930	19	2
Seeds, Elmore Willard	Ohio	June 18, 1930	18	2
Sellars, Robert Fredrick	Oregon	June 24, 1930	20	0
Semmes, Benedict Joseph, jr.	Tennessee	June 19, 1930	17	2
Settle, Walker Andrew, jr.	California	do	17	6
Shallenberger, Martin Conrad, jr.	Nebraska	June 23, 1930	17	9
Sharrocks, Charles Spurgeon	Pennsylvania	July 1, 1930	19	0
Shaw, Samuel Robert	Ohio	do	19	1
Sheffield, Fletcher Lamar, jr.	At large (Pres.)	June 12, 1930	17	4
Shepard, Richard Daniels	do	June 16, 1930	17	8
Shilson, James Starr	do	July 12, 1930	20	2
Shriver, John Frederick	New York	June 18, 1930	17	0
Shunk, Robert Frederick	Washington	July 1, 1930	19	10
Siddle, Eugene Jordan	Wyoming	June 19, 1930	20	1
Sidner, Harvey Frederick	Illinois	June 16, 1930	19	6
Siver, Chester Asa	Wisconsin	June 19, 1930	18	0
Skjonsby, Verne Leslie	North Dakota	June 23, 1930	19	8
Slack, Leslie Martin	Michigan	June 16, 1930	20	2
Smith, Arthur Chester	Massachusetts	June 17, 1930	18	9
Smith, Bernard Adrian	Washington	June 16, 1930	19	2
Smith, Charles Earle, jr.	Ohio	June 26, 1930	18	7
Smith, Hinton Ira	do	June 20, 1930	18	10
Smith, James Edward	Georgia	June 16, 1930	16	6
Smith, John Victor	Pennsylvania	June 30, 1930	18	1
Smith, Roy Campbell, 3d	New York	June 19, 1930	17	1
Smith, William Preston	do	June 18, 1930	17	11
Smith, William Robinson, 3d	At large (Pres.)	June 16, 1930	16	11
Smyth, William Astrup	Illinois	do	17	8
Snyder, William Alfred, jr.	Louisiana	June 19, 1930	19	1
Soell, John Block	Missouri	July 25, 1930	19	2
Solenberger, Earl Kenneth	North Dakota	Sept. 2, 1930	18	4
Spicer, Henry Calvin, jr.	Georgia	June 30, 1930	17	5
Stack, Gerald Francis tb	California	June 28, 1929	18	2
Stanish, George Francis	Montana	June 19, 1930	19	5
Staples, William David, jr.	Alabama	do	18	1
Stark, William Weldon, jr.	Georgia	June 16, 1930	18	7
Stephan, Charles Robert	New York	June 25, 1930	18	9
Stephens, Stuart	Arkansas	June 16, 1930	19	8
Stephenson, Richard Davids	New York	July 14, 1930	17	9
Stevenson, William Alfred	Ohio	June 19, 1930	19	1
Stirling, Cedric Warren	California	June 12, 1930	18	9

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Stivers, Joseph Wiley	Missouri	July 28, 1930	19	4
Stone, Archibald, jr.	New York	June 20, 1930	20	2
Stone, Lester Jay	California	June 27, 1930	19	0
Stone, Thomas Benjamin	Kansas	July 21, 1930	19	10
Strickler, Lyle Eugene	Oklahoma	June 18, 1930	18	3
Stuart, Richard St. Clair	Iowa	June 19, 1930	19	6
Stulgis, Joseph Edward	Washington	July 1, 1930	19	10
Stunkard, McClellan Ferguson, jr.	Pennsylvania	June 25, 1930	19	4
Sunkel, Jacob Hermann, jr.	Ohio	June 19, 1930	18	2
Sweat, George Carroll	Florida	June 27, 1920	18	6
Sweeney, Albert Earle, 2d	Texas	June 16, 1930	18	11
Sweeney, William Edward	New Jersey	July 7, 1930	16	7
Swift, Douglas McKean	Massachusetts	June 27, 1930	19	5
Taylor, Brown	Georgia	July 28, 1930	18	1
Taylor, Keith Eikenberry	Indiana	July 8, 1930	17	4
Taylor, Leslie Kelly	Virginia	June 18, 1930	20	0
Tharin, Frank Cunningham	South Carolina	July 21, 1930	19	9
Thompson, Harry LeRoy, jr.	At large (Pres.)	June 12, 1930	16	8
Thompson, Ivan Philip	Michigan	June 17, 1930	18	1
Thompson, Zane, jr.	Nebraska	July 7, 1930	18	2
Thorne, James Burl	Ohio	July 1, 1930	20	1
Thurston, Charles Edward, jr.	New Jersey	Aug. 25, 1930	18	10
Tibbets, Joe Bonafield	West Virginia	July 15, 1930	19	5
Tilburne, Edward Roanoke	New York	June 17, 1930	17	8
Torrey, Philip Huston, jr.	Montana	June 25, 1930	17	2
Townsend, Robert Lee	Texas	June 16, 1930	18	10
Truxtun, Thomas	Connecticut	June 23, 1930	16	5
Turrentine, Rudolph Andrew	Texas	June 30, 1930	19	6
Tyler, Willoughby Bartlett	Virginia	July 14, 1930	17	10
Updegrove, Jacob Walter	Pennsylvania	do	17	8
Upham, Frank Kidder	Vermont	June 20, 1930	19	6
Vadnais, Harry Ward George	Minnesota	July 28, 1930	20	0
VanArsdall, Clyde James, jr.	Mississippi	June 23, 1930	16	11
Van Buskirk, Beverly Robinson.	Colorado	June 19, 1930	20	2
Van Leunen, Paul, jr.	Ohio	do	17	6
Vose, James Everett, jr.	Rhode Island	July 10, 1930	18	1
Walker, George Pearson	New Jersey	June 25, 1930	19	1
Walker, William Warren	Washington	June 30, 1930	19	3
Walkup, Benjamin Franklin	Indiana	June 16, 1930	18	11
Walters, Clarence John	Idaho	July 7, 1930	19	4
Ward, Sibley Logan, jr.	Arkansas	June 19, 1930	18	6
Ware, Charles Rollins	Tennessee	June 27, 1930	19	4
Watkins, Terry Lynn	Texas	July 1, 1930	19	3
Waybright, John Jennings	West Virginia	June 17, 1930	18	3
Weber, John Edmund	Washington	July 1, 1930	19	10
Welch, George Warren tb	Pennsylvania	June 18, 1929	19	6
Weldon, James Joseph	New York	June 27, 1930	19	11
Weller, John Francis b	New York	Sept. 27, 1930	18	8
Wells, George Calvin	Kentucky	June 28, 1930	18	4
West, James Brackenridge	Oklahoma	July 1, 1930	18	11
Westholm, Rollin Everton	Minnesota	June 17, 1930	18	10
Whaley, James William	Virginia	Aug. 4, 1930	19	2
Wheeler, Creighton Lambert	do	June 27, 1930	20	1
Wheeler, Robert Edward	South Carolina	June 13, 1930	18	1
Whip, Homer Robinette b	Pennsylvania	Aug. 26, 1930	19	9
Whitaker, Frank Melvin	New York	June 23, 1930	20	0

Midshipmen of the fourth class (class of 1934), 647 members—Continued

Names	Appointed from—	Date of admission	Age at date of admission	
			Years	Months
Whitaker, Reuben Thornton	Arkansas	July 7, 1930	18	9
White, Marshall William	Missouri	July 14, 1930	19	3
Whitehead, Lloyd Howell	Mississippi	June 17, 1930	19	7
Wigfall, George Hollingsworth.	District of Columbia	June 19, 1930	18	8
Wilcox, William Menefee	Texas	July 21, 1930	17	9
Wiley, John Preston	Indiana	July 7, 1930	16	4
Williams, Robert Russell, jr	New York	July 2, 1930	19	0
Wilson, John Murray	Indiana	June 13, 1930	18	5
Winders, Kline Calvin	Missouri	Aug. 25, 1930	19	3
Wood, Delmont Edward	Florida	June 19, 1930	18	0
Wood, Edward Bennett	Virginia	June 27, 1930	19	10
Wood, Roger Jerome	Michigan	June 30, 1930	17	7
Woodruff, Jackson Avery	Connecticut	June 19, 1930	18	7
Woods, Melvin Winton	Colorado	June 23, 1930	18	3
Worthington, Edward Hicks	Maryland	June 17, 1930	18	3
Wright, James Mahan	Mississippi	do	17	1
Wright, Kenneth Jeffreys <i>r</i>	Nebraska	July 1, 1930	19	4
Wright, Philemon Kennard, jr	Maryland	June 30, 1930	17	4
Wygant, Edward Guthrie <i>b</i>	Oklahoma	Aug. 25, 1930	20	2
Zeiler, Samuel Francis	New York	July 21, 1930	17	2
Zysk, Stephen	do	June 30, 1930	18	10

b Readmitted; date given is date of readmission.

dd Died.

f Dismissed.

r Resigned.

tb Turned back from class of 1933.

**SUMMARY OF MIDSHIPMEN AT UNITED STATES
NAVAL ACADEMY AT BEGINNING OF ACADEMIC
YEAR 1930-31 (SEPTEMBER 26, 1930)**

First class (class of 1931)-----	448
Second class (class of 1932)-----	454
Third class (class of 1933)-----	511
Fourth class (class of 1934)-----	644
 Total-----	2,057
124	

APPOINTMENTS, DEATHS, RESIGNATIONS, ETC.

September 27, 1929, to October 9, 1930

SUMMARY OF CLASS OF 1930

Membership of graduating class, June 5, 1930-----	405
Commissioned ensigns, line-----	332
Commission withheld pending reexamination to determine physical qualifications-----	1
Commissioned, ensigns, Supply Corps-----	3
Commissioned second lieutenants, United States Marine Corps-----	28
Graduated; resignations accepted due to physical disqualifications-----	15
Graduated; voluntarily resigned-----	22
Dropped-----	0
Did not graduate; resigned-----	1
Turned back into next lower class on account of illness-----	2
Deficient in studies; turned back into next lower class-----	0
Filipino; graduated but not commissioned-----	1
Did not graduate; required to resign-----	0

Members of the class of 1930 (graduated June 5, 1930) appointed ensigns

[Arranged in order of merit for the completed course. Read first column, then second, etc.]

Jackson, A. McB., jr.	Masterson, K. S.	Nelson, W. T.
Hines, W. T.	Larson, H. N.	Englund, H. W.
Evans, P. C.	Haven, R. C.	Wesanen, W. F.
Spofford, R. T.	Hindman, J. A. E.	Lackner, P. R.
Hean, J. H.	Sutherland, R. T., jr.	Lucker, N., jr.
Heiser, H. M.	Craig, J. R.	MacKay, H. T.
Atkins, G. T.	Dornin, M. E.	Pieczentkowski, H. A.
Horn, P. H.	Douw, V. P.	Haley, T. B.
Alexander, S. M.	Winant, F. I., jr.	Peterson, M. A.
Ennis, W. C.	Johnson, R. W.	Allen, B. C., jr.
Browne, O. M., jr.	Hughes, C. W.	Brook, C. B.
Martell, C. B.	Nixen, R. M.	Randall, S. M.
Howard, J. H.	Whelchel, D. L.	Butterfield, G. N.
White, O. E.	Adkins, J. A.	Heyward, A. S., jr.
Trippensee, B. E. S.	Holmes, E. P.	Kinert, J. O.
Moore, W. B.	Walter, W. A.	Knoll, D. W.
Gladney, D. W., jr.	Foster, W. M.	Gluntz, M. H.
Foster, R. B.	Butler, W. C., jr.	Hart, C. D.
Rodgers, J. W.	Highley, F. E., jr.	Burns, M. C.
Perkins, R. E.	Moore, R. L., jr.	Krick, D. F.
Gentner, W. E., jr.	Chafee, G. B.	Sloat, F. T.
Hilles, F. V. H.	Burgett, W. A.	Ailes, J. W., III
de Vos, P. L.	Hayward, J. T.	Stich, F. S.
Simons, M. H., jr.	Johnson, F. L.	Carmick, E. S.
Briner, R. R.	Bardwell, F. E.	Seay, G. C.
Ceates, L. D., jr.	Kirvan, W. H.	Forster, J. F.
Dodge, H. B.	Ensey, L.	Sanders, E. R.

Morton, D. W.	Renfro, E. C.	Adams, S.
Dally, R. S.	Lord, C. W.	Lowrance, V. L.
McKnight, J. R., jr.	Stevens, J. E.	Harris, D. A.
Quiggle, L. C.	Rigsbee, E. O., jr.	Herms, C. R.
Estabrook, W. S., jr.	Moreno, J. A.	Garcia, G. E.
Dennis, J. R.	Tatom, J. F.	Snead, W. O., jr.
Stroh, R. J.	Craighill, R. R.	May, L. G.
Lee, J. E.	Armstrong, J. H., jr.	Colestock, E. E.
Wadsworth, A. S. C.	McGregor, L. D., jr.	Little, E. N.
Hansen, H. O.	Lawver, R. C.	Thomas, W. C.
Corbus, J.	Malpass, R. E.	Ostrom, C. H.
Fuetsch, B. A.	Palmer, G. G.	Hunt, R. C. D., jr.
Engleman, C. L.	Young, J. B. H.	Thornhill, T. J., jr.
Dorsey, J. S.	Marshall, E. S. L.	Ruff, L. E.
Trower, R. S., 3d.	McCombs, C. E.	Haines, N. S.
Earle, O. J.	Newton, R. A.	McMillian, I. E.
Lewis, J. M.	Burgess, J. G.	Lowrey, W. W.
Swan, B. F.	Miller, T. T.	Allen, W. Y., jr.
Scull, G.	Rutter, R. L.	Hubbard, H. S.
Gaulin, V. S.	Heming, H. M.	Bisson, J. K.
Corey, H. G.	Arwine, S. M.	Strohbehn, W. W.
Grove, A. E.	Clarkson, J. S.	Hall, C. G.
Hilton, C. G.	Lincoln, H. A.	Grantham, E. B., jr.
Massey, L. E.	Conn, R. J. H.	Whitfield, J. D., jr.
Sands, E. T.	Hanlin, P. W.	Andrews, C. H.
Ross, R. R.	Jones, L. J.	Earl, C. E.
Davis, J. W.	Heap, G. L.	Thibault, J. L.
Gubbins, W. W.	Brodie, G. K.	Cass, R. S.
Sass, D. J.	Cook, G.	McCullough, M. L., jr.
Stevens, C. B., jr.	Lang, J. G.	Charneco, C. M.
Burden, H. P.	Chambers, G. M.	Lucas, F. C., jr.
Carpenter, G. C.	Halstead, M.	Ebert, W. G.
Luongo, F. P., jr.	Vorhees, M. E.	Mauro, C. T., jr.
Gentry, K. M.	Kosco, G. F.	Dealey, S. D.
Wogan, T. L.	Kiefer, D.	Kelly, E. G.
Holley, G. M., jr.	Shaffer, J. J., 3d.	Marix, G. E.
Esslinger, R. J.	Badger, H. P.	Hawkins, D. D.
Rohr, C. H. A.	Weller, S. P., jr.	Curley, K. E.
Marshall, T. W., jr.	House, H. A.	Cushing, D. B.
Drane, W. McC.	McCready, G. T., jr.	Coe, J. W.
Kohlhas, A. P., jr.	Salisbury, J. S.	Jenkins, W. T.
Miller, A. S.	Hulme, J.	Hahn, E.
Dodson, J. E.	Reinhard, W. A.	Wilson, F. E.
Grant, J. D. L.	Bauer, R. C.	Bowen, J. B., jr.
Miller, F. B.	Laing, F. W.	Marable, H. H.
Kyes, J. E.	Wylie, W. N.	Rosasco, R. A.
McClain, W. H.	Adams, C. R.	Wakefield, E. K.
Gragg, J. B.	Sharp, R. N.	Fairchild, M. D.
Clark, H. G.	Breault, J. L., jr.	Tisdale, W. G., jr.
Taylor, R. H.	Boyle, L. DeV.	Patten, R. M.
MacGregor, E. J., 3d.	O'Beirne, E.	Van Metre, T. J.
Agnew, J.	Dorner, E. P. ¹	Brokenshire, D. B.
Blackburn, P. P., jr.	Spence, H. W.	Ellis, W. E.
Brady, P. H.	Brumby, E.	Roby, A. B.

¹ Commission withheld pending reexamination to determine physical qualifications.

Whitaker, J. M.	Dimmick, J. B.	Wagner, E. O.
Boyd, A. M., jr.	Owen, A. E.	Williams, M. B.
Gross, R. L.	Haile, J. R.	Wygant, H. S., jr.
Mayo, R. L.	McGlathery, R. D.	Woodard, W. T.
Post, W. S., jr.	Carter, F. M.	Westropp, H. P.
Briner, H. V.	Smith, H.	Spring, A. F.
Robinson, F. L.	Woodruff, J. A., jr.	Robinson, O. W.
Doyle, W. T., jr.	Howell, J. G.	Foott, G. W., jr.
Coates, R. F.	Mott, E. B., 2d.	Newell, B. B.
Verhoye, H. J.	Harmon, W. L.	Duryea, H. E.
Block, E. M.	Harrell, N.	Wolverton, R. A.
Smith, P. T., jr.	Sutton, R. D.	Lidstone, N. A.
Hutchins, T. B., 3d.	Jennings, R. F.	Over, G. R.
Long, V. O.	Newsome, J. H.	Gilliam, C. R.
Koepke, L. L.	Campbell, N. A.	Chapple, W. G.
Sanchez, H. G.	Webb, T. S.	Mathews, L. O., jr.
Konigsberg, A.	Germany, R. W., jr.	Reeder, F. M.
Moffett, W. A., jr.	Flynn, J. F.	Douglass, A. P.
McLeod, B. F.	Ruddy, J. A., jr.	Clifton, J. C.
Robbins, J. A.	Bristol, J. M.	Newman, R. L.
Sisson, J. E.	Wilbourne, W. W.	Edwards, J. E.
Azer, J. B.	Hanson, B. S., jr.	Randolph, S. A.
Lynch, O. D. T.	Coffee, D. M.	Kaiser, W. C.
Whitehurst, E. H.	Eddy, I. C.	Heerbrandt, P. F.
Sanders, W. H., jr.	Haynsworth, H. C., jr.	Howerton, C. C.
Westhofen, C. L.	Dunn, E. J.	Wright, T. K.
Farmer, W. H.	Nutting, K. L.	Vosseller, J. O.
Nix, J. J.	Stevenson, H. C.	Barrett, A. J., jr.
Wingard, W. C., jr.	Clark, B. V.	McPherson, K. S.
Feiock, H. K.	Olney, D. W.	Conner, R. R.

Appointed second lieutenants in Marine Corps

Hughes, T. B.	Russell, P. W.	Price, E. O.
Wagner, F. G., jr.	Steiner, W. B.	Hill, R. E.
Moret, P.	Reinecke, F. M.	Daly, J. M.
Bauer, H. W.	Davis, J. M.	Pusel, N. J.
McKean, W. B.	Fromhold, W. H.	Salmon, R. D.
Beans, F. D.	Wilbur, J. T.	Lloyd, R.
Herndon, G. G.	Hayes, C. H.	Fry, E. W., jr.
Greene, W. M.	Weller, D. M.	Brunton, L. C.
Williams, F. H.	Yeaton, S. S.	
Boyle, S.	Montgomery, E. A.	

Appointed ensigns in Supply Corps

Prien, W. F.	Cardwell, L.
Bourgeois, A. J.	

Deaths

Name and class	Date of death
Worthington, Francis Hardesty, class of 1933-----	July 1, 1930

Dismissals

Name and class	Date dismissed
Burgin, Miller Strange, class of 1932-----	July 26, 1930
Hunt, Richard Field, jr., class of 1931-----	Sept. 5, 1930
Myatt, Lawrence Leslie, class of 1932-----	July 26, 1930
Stevens, Frank Edmund, jr., class 1933-----	Oct. 23, 1929

Dropped

Name and class	Date dropped
Faunce, John Henry, class 1933-----	Jan. 21, 1930
Flint, Francis Cleland, class 1933-----	Jan. 16, 1930

Resignations

Name and class	Date resigned
Adams, Richard Walker, class of 1931-----	Apr. 10, 1930
Akstull, John Donald, class of 1932-----	Feb. 10, 1930
Allen, Morse, class of 1933-----	Feb. 17, 1930
Anderson, John Frailey, class of 1932-----	Feb. 10, 1930
Andrews, Charles Marshall, class of 1932-----	Feb. 10, 1930
Ardito, William Angelo, class of 1931-----	Feb. 1, 1930
Arnold, William Potter, class of 1933-----	Dec. 10, 1929
Ashton, Arthur Harold, class of 1930-----	June 5, 1930
Atwood, Harry, jr., class of 1933b-----	Apr. 10, 1930
Backstrom, James Eugene, class of 1932-----	Feb. 10, 1930
Bailey, Claude Fenn, class of 1932b-----	Sept. 13 1930
Bailey, Wendell Ernest, class of 1933b-----	Feb. 10, 1930
Baldridge, Harry Alexander, jr., class of 1932-----	Sept. 13, 1930
Barnard, Lewis, jr., class of 1933b-----	Feb. 10, 1930
Bates, Richard Harned, class of 1930-----	June 5, 1930
Beardslee, William Walter, class of 1933b-----	Feb. 10, 1930
Bell, Francis Smith, class of 1932-----	Sept. 13, 1930
Bell, Walter Frank, class of 1932-----	Dec. 24, 1929
Bence, Robert Lawrence, class of 1931-----	Nov. 1, 1929
Blakely, John Siler, class of 1933b-----	Feb. 10, 1930
Blanchard, Boyd Edward, class of 1930-----	June 12, 1930
Blanning, Edwin Joseph, jr., class of 1930-----	June 5, 1930
Blemker, Nyle Louis, class of 1930-----	June 14, 1930
Bouve, Warren Lincoln, class of 1931-----	Jan. 14, 1930
Boyle, Joseph Hannon, class of 1932-----	Feb. 10, 1930
Bradman, Frederic Cushing, class of 1931-----	Oct. 6, 1930
Brewster, Willits Alden, class of 1930-----	Oct. 25, 1929
Bulkeley, Eugene Chester, class of 1932-----	Feb. 10, 1930
Byers, William Robert, class of 1932-----	Feb. 10, 1930
Bryde, Walter Joseph, class of 1933-----	Feb. 10, 1930
Cable, Thomas Hamilton, class of 1930-----	June 5, 1930
Caillouet, Jean Louis, jr., class of 1930-----	June 5, 1930
Campbell, Harold William, jr., class of 1933b-----	Feb. 10, 1930
Canaday, Harry Ridge, class of 1930-----	June 5, 1930
Carter, Tim Lee, class of 1933-----	Jan. 30, 1930
Coffin, Le Roy Andrew, class of 1931-----	Nov. 11, 1929
Conway, John Bradford, class of 1932-----	Mar. 20, 1930
Cooke, Elmer Rudolph, class of 1933-----	Jan. 30, 1930
Cooper, Ernest Greene, jr., class of 1933b-----	Sept. 13, 1930
Cowell, LaVere, class of 1931-----	Sept. 24, 1930
Crowder, Edwin Boggs, class of 1933-----	Oct. 14, 1929
Crowell, Lorenzo Mayo, jr., class of 1933-----	Feb. 10, 1930

Name and class	Date resigned
Dallman, David Edward, class of 1930-----	June 5, 1930
Danenhower, John, class of 1933b-----	Feb. 10, 1930
Davis, Frank Mandeville, class of 1932-----	Dec. 24, 1929
Davis, Thomas William Smith, class of 1932-----	Feb. 10, 1930
Dees, Benjamin Woodall, class of 1933-----	Nov. 19, 1929
Denton, Arthur Austin, jr., class of 1932-----	Apr. 10, 1930
Dickinson, John Overton, class of 1933-----	Apr. 14, 1930
Dodson, Bennett Merritt, class of 1933-----	Feb. 10, 1930
Donaldson, Francis, jr., class of 1932-----	June 6, 1930
Donovan, Milton Daniel, class of 1933-----	June 6, 1930
Drake, Nels D'Arcy, class of 1930-----	June 5, 1930
Droom, Lawrence Kendall, class of 1933-----	Oct. 14, 1929
Duell, Robert Ensor, class of 1932-----	Jan. 15, 1930
Edgerton, Everett William, class of 1930-----	June 5, 1930
Ely, Louis Breton, class of 1932-----	Feb. 1, 1930
Epperly, William Francis, class of 1930-----	June 5, 1930
Fackler, Ralph Waldo, class of 1932-----	Apr. 10, 1930
Farnham, Duane Wesley, class of 1930-----	June 5, 1930
Farrow, Wayne Lewis, class of 1933-----	May 31, 1930
Farwell, Charles Bradford, class of 1933b-----	Feb. 6, 1930
Fekete, Thomas Ford, class of 1933-----	Feb. 12, 1930
Fisher, Edward Whitney, class of 1931-----	Mar. 20, 1930
Fisher, Robert Slack, class of 1933-----	Oct. 15, 1929
Fisher, William Wallace, class of 1933-----	Feb. 10, 1930
Fly, William Lafayette, jr., class of 1933b-----	Feb. 10, 1930
Fowlkes, Edward Taylor, class of 1933b-----	Feb. 10, 1930
Frey, Charles Weiser, class of 1932b-----	Feb. 10, 1930
Fulp, James Douglas, jr., class of 1933b-----	Feb. 10, 1930
Gagnon, Lewis Theodore, class of 1930-----	Jan. 16, 1930
Geary, Jerome Pendleton, class of 1930-----	Feb. 10, 1930
Girard, Clet Anthony, jr., class of 1933-----	Dec. 21, 1929
Grannis, Russell Lynn, class of 1930-----	June 5, 1930
Greenbank, Lawrence Worthington, class of 1931-----	Nov. 4, 1929
Greenlee, Halford Robert, jr., class of 1932-----	Mar. 25, 1930
Grossman, George Sample, jr., class of 1933b-----	Feb. 10, 1930
Grove, James Francis, class of 1932-----	Feb. 10, 1930
Gunther, Rush Bailey, class of 1932-----	Mar. 25, 1930
Hall, David Kenneth, class of 1933-----	Nov. 29, 1929
Hamer, John Byron, class of 1933-----	June 6, 1930
Hammond, Clement James, class of 1933b-----	Feb. 10, 1930
Hastings, Richard Ellis, class of 1933b-----	Feb. 10, 1930
Hayward, Verburt Norton, class of 1932-----	Feb. 10, 1930
Henry, Woodville Thompson, class of 1930-----	June 5, 1930
Hewitt, George Billings, class of 1933-----	Feb. 10, 1930
Hewitt, Gerald Sellen, class of 1930-----	June 5, 1930
Higham, Marritt Stewart, class of 1933-----	Feb. 10, 1930
Hills, Ivan Gilbert, class of 1933-----	Apr. 10, 1930
Hindrelet, Albert Francis, class of 1930-----	Apr. 10, 1930
Hirtle, Allen Tremaine, jr., class of 1933-----	Feb. 10, 1930
Holladay, Douglas Stockton, class of 1933b-----	Feb. 10, 1930
Holland, Harvison Catlin, class of 1933-----	Sept. 5, 1930
Holt, Herman William, class of 1930-----	June 5, 1930
Honnold, Isaac Preston, class of 1933b-----	Sept. 13, 1930
Hughes, David Emerson, class of 1932-----	Dec. 23, 1929

Name and class	Date resigned
Hunter, Edwin Ford, jr., class of 1933-----	Jan. 8, 1930
Hutchinson, Edward Leigh, class of 1932-----	Apr. 10, 1930
Jennings, Zack David, class of 1930-----	Feb. 10, 1930
Johnson, Harold Frank, class of 1930-----	June 5, 1930
Kashower, Robert Herman, class of 1932-----	Jan. 10, 1930
Keyes, Franklin George, class of 1932-----	Oct. 3, 1930
Kirch, Frederick James, class of 1932-----	Jan. 21, 1930
Kues, Paul Herman, class of 1933-----	Nov. 30, 1929
Lajoye, John Charles, class of 1933-----	Feb. 10, 1930
Lamb, Joseph Bentley, class of 1931-----	May 29, 1930
Lampe, Alfred Ernest, class of 1930-----	June 5, 1930
Lee, Robert Edward, class of 1933-----	Feb. 10, 1930
Leeper, Harold Burton, class of 1931-----	Dec. 13, 1929
Leffert, Burton Chester, class of 1933-----	Feb. 10, 1930
Legaré, Herman Keith, class of 1930-----	June 5, 1930
Lewis, Neilson Wilde, class of 1931-----	Jan. 31, 1930
Liessman, Emerson Oliver, class of 1933-----	Feb. 10, 1930
Lucas, Samuel Brooks, class of 1933b-----	Feb. 10, 1930
Lynch, Robert Francis, class of 1930-----	June 5, 1930
MacConnell, John Courtney, class of 1933-----	Feb. 10, 1930
MacDonald, Luther Duncan, class of 1931-----	Feb. 20, 1930
Mackintosh, John Attrill, class of 1933-----	Feb. 10, 1930
Manwaring, James Murray, class of 1932-----	Feb. 10, 1930
Marcy, Deane Sidney, class of 1933-----	Jan. 17, 1930
Marlowe, Robert Aloysius, class of 1933b-----	Sept. 13, 1930
Matthews, John Stanley, class of 1932-----	Feb. 10, 1930
Maynard, Robert Horace, class of 1930-----	June 5, 1930
McAllister, John Anderson, class of 1933-----	June 6, 1930
McCormick, Nelson Calhoun, class of 1933-----	Mar. 17, 1930
McDougal, Douglas Cassel, jr., class of 1932-----	Aug. 13, 1930
McGoff, John Edward, class of 1933b-----	Apr. 10, 1930
McGuire, Hudson Lee, class of 1932-----	Apr. 10, 1930
McKenney, Warren Haill, class of 1932-----	Feb. 10, 1930
McKibbin, Carlyle Rentz, class of 1932-----	Feb. 10, 1930
McKissack, Thompson Pope, class of 1933b-----	Feb. 10, 1930
McMahan, William Alva, class of 1931-----	Nov. 4, 1929
McMartin, James McIntyre, class of 1931-----	Apr. 9, 1930
McPeake, Richard Hayes, class of 1930-----	June 5, 1930
McVay, Robert Locher, class of 1932-----	Feb. 10, 1930
Meers, William Henry, class of 1933-----	Feb. 10, 1930
Miller, Horace Sadler, class of 1933-----	Jan. 11, 1930
Milliren, Glenn Alvin, jr., class of 1932-----	Feb. 10, 1930
Montgomery, William Penn, jr., class of 1932-----	Sept. 27, 1930
Moore, Robert Clem, class of 1932-----	Dec. 24, 1929
Mosk, Milton Stanford, class of 1933-----	June 6, 1930
Mulit, Lloyd Henry, class of 1930-----	June 5, 1930
Mullan, Hugh, class of 1933b-----	June 6, 1930
Murphy, Frank James, class of 1933b-----	Feb. 10, 1930
Neal, Alvin Willard, class of 1930-----	June 5, 1930
Nugent, Thomas Edward, class of 1933-----	Dec. 21, 1929
O'Connor, Desmond Kiernan, class of 1933-----	June 6, 1930
O'Handley, Joseph Allen Edward, class of 1930-----	June 5, 1930
Oren, John Birdsell, class of 1933-----	Feb. 10, 1930
Paradzinski, Alexander Joseph, class of 1932-----	Dec. 17, 1929

Name and class	Date resigned
Parks, Charles Henry, class of 1932	Feb. 27, 1930
Patton, David Uriah, class of 1933	Feb. 10, 1930
Peery, George Atwood, class of 1931	May 29, 1930
Pegelow, Frederic George, class of 1933b	Feb. 10, 1930
Petrie, James Henry, class of 1933	Feb. 10, 1930
Philburn, Robert Valentine, class of 1932	Feb. 17, 1930
Phillips, Walter Blackburn, class of 1930	June 12, 1930
Post, Richard Jordan, class of 1933	Feb. 10, 1930
Prentice, Joseph Rollin, class of 1933b	Feb. 10, 1930
Price, Thomas Davis, class of 1930	June 5, 1930
Rain, Francis Merrell, class of 1932	June 6, 1930
Reuland, Walter Philip, class of 1933	Sept. 13, 1930
Reynolds, Thomas Flatley, class of 1933	Feb. 10, 1930
Rising, Alexander Benjamin, class of 1933	Aug. 29, 1930
Riva, Victor Emmanuel, class of 1930	June 5, 1930
Roberts, Earl, jr., class of 1933	Apr. 10, 1930
Rodgers, James Macklin, class of 1932	Feb. 10, 1930
Rosen, Charles, class of 1932	June 6, 1930
Ross, Emmett Collins, class of 1932	Dec. 9, 1929
Rouse, Leon Matheny, class of 1932	Apr. 18, 1930
Rousseau, Charles Lewis, class of 1933	Feb. 10, 1930
Saunders, John Charles, class of 1932	Feb. 21, 1930
Schantz, Joseph Dise, class of 1932	Dec. 24, 1929
Severs, Hugh Barrett, class of 1932	July 8, 1930
Sharpe, Herman Taft, class of 1933	Jan. 8, 1930
Sheeley, William Robert, class of 1930	June 5, 1930
Sherwin, Thornton, class of 1932	Feb. 10, 1930
Smith, Bert Leroy, class of 1933	Feb. 10, 1930
Smith, Clyde Edward, class of 1933	Oct. 22, 1929
Smith, Julius Lundie, jr., class of 1930	June 5, 1930
Snyder, Joseph Cantwell, class of 1930	June 5, 1930
Steel, Robert Justin, class of 1931	May 27, 1930
Stewart, Henry James, class of 1933	Feb. 10, 1930
Stewart, William Henry, class of 1930	June 5, 1930
Stretch, David Albert, class of 1930	June 5, 1930
Thompson, Lloyd Cooper, class of 1930	June 5, 1930
Threlkel, Frank Hays, class of 1932	Aug. 13, 1930
Timmons, Thomas Jackson, class of 1933	Feb. 10, 1930
Tinkle, Clarence Everett, class of 1933	Jan. 8, 1930
Tonkin, Albert Hoyle, class of 1933	Feb. 10, 1930
Van de Water, Donald Fremont, class of 1932	Dec. 23, 1929
Van Horne, George Ransom, class of 1932	Feb. 10, 1930
Van Slyke, John Rosser, class of 1932	Aug. 30, 1930
Walker, Thomas Newell, class of 1931	Feb. 10, 1930
Weaver, Isaac Tenison, class of 1933	Feb. 10, 1930
Weiss, Frederick Adolph, jr., class of 1930	June 5, 1930
Welch, Othal Cleveland, class of 1933	Apr. 10, 1930
Weller, John Francis, class of 1933b	Sept. 13, 1930
West, Albert Roswell, class 1930	June 5, 1930
Whip, Homer Robinette, class of 1933b	Apr. 10, 1930
White, Augustine Withers, jr., class of 1933	Feb. 10, 1930
White, Zebulon Lewis, class of 1931	Sept. 24, 1930
Will, Robert Edgar Nichols, class of 1933	Feb. 10, 1930
Williams, Glendon Dean, class of 1930	June 5, 1930

Name and class	{Date resigned
Williams, James Daniel, class of 1933-----	Apr. 26, 1930
Williford, Vaughan Buford, class of 1932-----	Feb. 10, 1930
Wister, John Howard, class of 1933-----	Sept. 24, 1930
Wright, Kenneth Jeffreys, class of 1934-----	Sept. 24, 1930
Wygant, Edward Guthrie, class of 1933b-----	June 6, 1930
Yarnell, Philip, class of 1933-----	Feb. 10, 1930
York, Harold Chester, class of 1932-----	Feb. 21, 1930
Young, Peter William, class of 1932-----	Oct. 15, 1929

Retained in next lower class

Name	Date turned back
Bitterman, David Eugene, class of 1932 to class of 1933-----	Apr. 8, 1930
Bradman, Frederic Cushing, class of 1930 to class of 1931-----	May 29, 1930
Chambers, Lester Smith, class of 1933 to class of 1934-----	May 29, 1930
Collett, James Dahlman, class of 1931 to class of 1932-----	Apr. 8, 1930
Criswell, Robert Parker, class of 1933 to class of 1934-----	Sept. 10, 1930
Fernald, Frank Stanford, class of 1932 to class of 1933-----	Apr. 8, 1930
Freeberg, Sidney Arthur, class of 1930 to class of 1931-----	May 29, 1930
Geist, John Willard, class of 1933 to class of 1934-----	May 29, 1930
Green, John Cawley, class of 1933 to class of 1934-----	Sept. 10, 1930
Hampton, Isaiah Martin, class of 1933 to class of 1934-----	May 29, 1930
Harper, Thaddeus Steven, jr., class of 1933 to class of 1934-----	May 29, 1930
Haworth, Karl Frederick, class of 1932 to class of 1933-----	May 10, 1930
Houck, Ray Wallen, class of 1933 to class of 1934-----	May 29, 1930
Hunter, Percival, jr., class of 1933 to class of 1934-----	May 29, 1930
Ingling, Alan Lloyd, class of 1933 to class of 1934-----	May 29, 1930
Johnston, Dewey George, class of 1933 to class of 1934-----	June 10, 1930
Kimbell, Henry Tyus, jr., class of 1933 to class of 1934-----	May 29, 1930
Knapp, Gerald Anton, class of 1933 to class of 1934-----	May 29, 1930
Leverenz, Roy Fred, class of 1932 to class of 1933-----	Apr. 8, 1930
Lewis, Hugh Howard, class of 1933 to class of 1934-----	May 29, 1930
Loveland, Kenneth, class of 1932 to class of 1933-----	Jan. 7, 1930
Merrill, Ralph Standish, class of 1933 to class of 1934-----	May 29, 1930
Mothersill, Philip Wilder, jr., class of 1930 to class of 1931-----	Apr. 8, 1930
Mumma, George Edwin, class of 1933 to class of 1934-----	May 29, 1930
Rouse, Leon Matheny, class of 1931 to class of 1932r-----	Apr. 8, 1930
Stack, Gerald Francis, class of 1933 to class of 1934-----	May 29, 1930
Stieler, Roland Emil, class of 1931 to class of 1932-----	Sept. 4, 1930
Sturr, Henry Dixon, class of 1932 to class of 1933-----	Apr. 8, 1930
Todd, Donald Whiley, class of 1930 to class of 1931-----	Apr. 8, 1930
Von Woglom, Louis Ethan, class of 1932 to class of 1933-----	Apr. 8, 1930
Walker, Robert Power, class of 1931 to class of 1932-----	July 2, 1930
Welch, George Warren, class of 1933 to class of 1934-----	May 29, 1930

b Readmitted with class of 1934.*r* Later resigned.

Second class organization—summer 1930

Battalion Commander, Bryan, L. A. (1) Adjutant, Cox, W. R. (4)
 Sub Commander, Caley, A. D. (3) Commissary, Baldridge, H. A., jr. (2)

	First Company	Second Company	Third Company	Fourth Company
Company commander	Davis, J. B.	Bowers, T. K.	Simpson, R. T.	McGrea, V. B.
Chief petty officer	Frazer, C. L.	Brown, L. S.	Moore, R. B.	Hurley, T. B.
First platoon commander	Lockwood, H. C.	Baker, H. E.	Sosnoski, H.	Young, R. C.
Second platoon commander	Fleck, T. M.	Bell, F. S.	McIver, D. C.	Ramey, J. W.
Third platoon commander	Hodgkins, E. R.	Foley, F. D.	Garrison, M. E.	Leeds, J. R.
First platoon mustering petty officer	Young, M. T.	Waters, O. D., jr.	Weschler, C. J.	Stannard, W. T.
Second platoon mustering petty officer	West, J. T.	Jaap, J. A.	Schmidt, M. G.	Burgin, M. S.
Third platoon mustering petty officer	Ernst, S. A.	Corry, J.	Goodman, D. C.	Seely, H. W.
First petty officer	Keyes, F. G.	Burdick, D. G.	Perkins, W. B., jr.	Phares, E. L.
Do	Bailey, G. W.	Palmer, C. J.	Konrad, E. G.	Holloway, C. E.
Do	Parker, F. M.	Howe, F. N.	Ruckner, E. A.	Montgomery, T. J.
Do	Kasperek, C. E.	Lark, J. A.	Crowley, D. S.	Bush, H. P., jr.
Do	White, T. H.	Evans, R. L.	Franklin, W. R.	Weeks, R. H.
Do	Gramlich, F. M.	Elliott, L. T.	Parker, A. E.	Kirn, L. J.
Do	Shumway, D. W.	Abrahamson, E. P.	Cook, H. S.	Ward, A. G.
Do	Brannon, H. R.	Short, W. B., jr.	Finney, E. P., jr.	Rhoads, N. B., jr.
Do	Reiter, H. L., jr.	Lambert, R. H.	Warfield, T. G.	Munger, M. T.

Alphabetical list of those members of the class of 1932 who were retained at the Naval Academy during the summer of 1930 to undergo practical instruction in aviation and engineering subjects

Abrahamson, E. P.	Bush, H. P., jr.	Elliott, L. T.
Acker, F. C.	Caley, A. D.	Emrick, P. E.
Adams, A. B., jr.	Campbell, H. J.	Enright, W. K.
Adams, R. D.	Cann, P. W.	Ernst, S. A.
Allen, H. I., jr.	Caperton, H. O.	Evans, R. L.
Andrew, J. D.	Carpenter, T. E.	Everett, C. H., jr.
Archer, S. M.	Carroll, D. L., jr.	Everett, J. L., jr.
Arthur, L. A.	Carroll, G. N.	Fahy, J. S.
Asman, E. C.	Catlett, W. J., jr.	Fairbanks, J. F., jr.
Asmuth, W., jr.	Chambers, T. E.	Faires, C. F., jr.
Atkins, B. K.	Chase, E. G.	Fang, O. E.
Bailey, B. F.	Chase, I., jr.	Fawcett, M. A.
Bailey, B. L.	Chittenden, J. L.	Fawkes, E. E.
Bailey, C. F.	Clement, J. M.	Feldscher, W.
Bailey, G. W.	Close, B. E.	Fink, G. R.
Baker, H. E.	Cobb, C. O.	Finney, E. P., jr.
Baker, R. L.	Coleman, E. S.	Fleck, T. M.
Baldridge, H. A., jr.	Coleman, H. M.	Flenniken, J. A.
Bandy, J. I.	Coleman, W. D.	Foley, F. D.
Beardslee, G. R.	Collett, J. D.	Ford, J. C., jr.
Beer, R. O.	Colley, T. J.	Frakes, D. R.
Beers, Colwell E.	Connaway, F.	Francis, H. G.
Bell, F. S.	Cook, H. S.	Franklin, W. R.
Bellinger, G. L.	Coombs, R. E., jr.	Frazer, C. L.
Best, R. H.	Cope, A. L.	Freund, B. W.
Bigaouette, F. J.	Corry, J.	Fulton, R. B., 2d.
Bigler, J. C.	Corson, G.	Gamble, R. L.
Billingsley, E. B.	Counihan, J. L., jr.	Garrison, M. E.
Binns, J. A.	Cox, W. R.	Gates, A. E., jr.
Bisson, R. O.	Coxe, A. B., jr.	Gibson, S. K.
Blair, R. H.	Craig, J. G., jr.	Gold, C. C.
Blaisdell, N. E.	Craighill, R. S.	Goodgame, R. E., jr.
Bond, F. W., jr.	Crowley, D. S.	Goodhue, A. A.
Born, H. E.	Dale, R. H.	Goodman, D. C.
Bowers, T. K.	Davis, J. B.	Gorsline, R. H.
Bowser, A. L., jr.	De Long, H. C.	Gothie, D. S.
Brannon, H. R.	Denig, R. L., jr.	Gramlich, F. M.
Brewer, C.	Dennett, M. E.	Greene, R. O.
Brindupke, C. F.	De Witt, J. C., jr.	Greenlee, A. W.
Bronson, F. S.	de Zayas, H.	Gregory, R. V.
Brown, L. S.	Dial, N. M.	Grider, J. M.
Brown, S. W.	Dibrell, A. G., jr.	Grouleff, P. H.
Brown, W. W.	Dickinson, A. W.	Groverman, W. H., jr.
Brumby, F. H., jr.	Dimetrijevic, W. J.	Halsey, L. B.
Bryan, L. A.	Dobbs, W. A.	Hamilton, M. J.
Bull, W. I.	Domenech, J. P.	Hanson, A. E.
Bunce, P. G.	Douglass, F. M.	Hardie, T. G.
Burdick, D. G.	Dreany, H. H.	Harral, B. J.
Burgin, M. S.	Dropp, A. H.	Harrington, P. H.
Burrowes, E. E.	Eastwold, E. R.	Harwell, J. L.

Harwood, R. D.	Keyes, C. M.	McCormick, J. J.
Hayes, J. H.	Keyes, F. G.	McCornock, S. A.
Head, H. H.	Keyser, C. H.	McRea, V. B.
Heinlein, O. A., jr.	Kinert, D. F.	McDonald, D. H.
Hendrick, H. L., jr.	King, O. B.	McDougal, D. C., jr.
Hitchcock, C.	Kintberger, L. S.	McGoldrick, J. A.
Hobbs, G. O.	Kirn, L. J.	McIver, D. C.
Hodge, E. D.	Klinksiek, H. T.	McLeod, D. K.
Hodgkins, E. R.	Knock, D. C., jr.	Meader, E. B.
Holloway, C. E.	Knoertzer, H. A.	Miller, J. S.
Holloway, W. P.	Koivisto, M. M.	Miller, W. R.
Holmes, W. M.	Konrad, E. G.	Mitchell, G. H.
Holt, P. C.	Kretz, C. H., jr.	Moncure, S. P.
Hooper, J. H.	Kuhl, J. H.	Montgomery, T. J.
Hopkins, T. W.	Labouisse, S. S.	Montgomery, W. P., jr.
Horner, J. S.	Lamade, J. D.	Moore, H. G.
Howe, F. N.	Lambert, R. H.	Moore, J. A.
Howle, W. G.	Langen, T. D. F.	Moore, R. B.
Hughes, G. E.	Lank, T. S.	Morgan, R. A.
Hull, H.	Lanman, C. B.	Morse, J. H., jr.
Humes, R. M.	Lapidus, E. A.	Munger, M. T.
Humiston, J. G.	Lark, J. A.	Munholland, J.
Hummer, H. C.	Latta, F. D.	Munson, H. G.
Humrichouse, J. W.	Lavery, R. J.	Murphy, C. L., jr.
Hunter, G. C.	Leeds, J. R.	Murphy, J. E., jr.
Hurley, T. B.	Leonard, R. C.	Murray, E. N.
Hurst, E. W.	Letts, K. P.	Musgrave, C. W.
Hutchings, C. S.	Leverett, T. R.	Mustin, L. M.
Hutchinson, G. L.	Lewis, J. S.	Myatt, L. L.
Hydeman, E. T.	Lewis, P.	Myers, J. C.
Innis, W. D.	Lewis, W. H.	Nelson, C. P.
Jaap, J. A.	Lietwiler, J. M.	Nicholas, N. J.
Jacobs, J. F., jr.	Little, R. B.	Nisewaner, T. A.
James, G. S., jr.	Lockwood, H. C.	Nuessle, F. E.
Janz, E.	Loughlin, J. J., jr.	O'Connor, M. B.
Jewett, G. W., jr.	Lowndes, T. P.	Odend'hal, C. J., jr.
Johnson, Clifford A.	Lucier, R. O.	Osler, P. G.
Johnson, J. H. S.	Luker, G. R.	Ottinger, G. M.
Johnson, R. C.	Lunger, J. P.	Outerson, W.
Johnson, S. H.	Lyons, C. M., jr.	Ovrom, A. A.
Jones, J. P., jr.	Lyons, W. B. B.	Owens, H. A.
Jonson, W. C., jr.	Maher, E. H.	Palmer, C. J.
Jukes, H. L.	Major, A. S., jr.	Parker, A. E.
Kaplan, A. D.	Mallory, C. K., jr.	Parker, F. M.
Kasperek, C. E.	Mandelkorn, R. S.	Parks, J. R.
Kaufman, J. H.	Mang, L. W.	Parrish, L. W.
Keen, C. R.	Marshall, J. G.	Pavlic, M. F.
Keene, C., jr.	Mather, M. C.	Payne, E. K.
Kehl, G. W.	Matter, A. R.	Perkins, C. E.
Kelly, W. D.	Maulsby, R. J. C.	Perkins, W. B., jr.
Kemper, J. L.	Mayer, R. H.	Pfingstag, P. W.
Kenna, W. E.	McAlpine, L. H.	Phares, E. L.
Kerr, F. I.	McCandless, B.	Phillips, C. E.
Kerr, R. H.	McCarley, H. H.	Phipps, J. C.

Pierce, G. E.	Shovestul, P. J.	Underwood, G. W.
Pinkston, E. R.	Shumway, D. W.	Underwood, R. D.
Pitts, R. M.	Silverstein, M.	Utter, H. T.
Pletta, F. A.	Simmers, C. R.	Vandling, R. E.
Porter, G. E., jr.	Simpson, R. T.	Van Evera, J. R.
Porter, R. R.	Slayden, A. W.	Van Every, S. A., jr.
Pressey, G. W.	Small, S. C.	Vanous, W. W.
Prince, H. R.	Smiley, C. B.	Van Slyke, F. A.
Quarles, S. F.	Smith, C. H.	Van Slyke, J. R.
Quirk, P. D.	Smith, D. F., jr.	Vaughan, F. O.
Ramey, J. W.	Smith, H. E.	Vaughan, J.
Raring, G. L.	Smith, J. B.	Vorpahl, A. H.
Raymond, W. H., jr.	Smith, J. G.	Vrooman, W. T.
Reader, J. C., jr.	Smith, Lawrence.	Wagnon, L. E.
Reilly, J. V.	Smith, Levering.	Walker, R. P.
Reiter, H. L., jr.	Smith, L. O.	Ward, A. G.
Rhoads, N. B., jr.	Smith, R. C.	Warder, T. G.
Rice, G. F.	Smyth, L. W.	Warfield, T. G.
Richards, W. L.	Snowden, E. M.	Waters, O. D., jr.
Roach, J. P.	Snyder, P. L.	Weaver, D. A.
Robard's, W. C. F.	Sosnoski, H.	Weeks, R. H.
Roblin, R. D.	Soule, R. A., 3d.	Wellings, A. A.
Rogers, G. P.	Spangler, J. G.	Weschler, C. J.
Rooney, G. A.	Speer, J. O.	West, J. T.
Ross, R. D.	Spiers, J. I. R.	Weston, W. H.
Roudebush, J.	Stannard, W. T.	White, T. H.
Rounds, H. P.	Starr, M. T.	Widholm, W. J.
Ruble, H. E.	Stevenson, G. N.	Wigelius, F. E.
Ruckner, E. A.	Stoner, H. F.	Wilder, A. F. P.
Ruhlman, F. L.	Strickler, R. L.	Wildner, A.
Sampson, N. J.	Stuart, W. A.	Willard, C. S.
Sargent, H. L.	Sugarmann, C. M.	Williams, P. D.
Schall, T. D., jr.	Sunderland, M.	Williams, Rich'd C., jr.
Scherini, O. A.	Sutton, J. J.	Williamson, L.
Schmidt, M. G.	Tagg, W. L.	Williamson, M. W.
Schroeder, W. P.	Taylor, E. W.	Williamson, T. F.
Schultz, F. B.	Tennent, J. G., 3d.	Willson, J. J.
Schwartz, I. J.	Thomas, D. I.	Wilson, G. R.
Schweitzer, E. S.	Thomas, J. A.	Wilson, R. L.
Scott, D. D.	Thompson, F. C.	Wilson, R. M.
Scott, R. C.	Thompson, J.	Wilson, W. R.
Seager, J. W.	Threlkel, F. H.	Winter, W., jr.
Seely, H. W.	Todd, K. S.	Wintle, J. W.
Severs, H. B.	Toft, J. C., jr.	Witherow, J. F., jr.
Shaw, S. L.	Townsend, H. E.	Wolsieffer, F.
Shea, J. D.	Townsend, W. E.	Woodward, E. C.
Shelton, H. E., jr.	Tschirgi, H. C.	Wylie, J. C., jr.
Shinn, A. M.	Tucker, A. J., 2d.	Young, M. T.
Short, W. B., jr.	Turton, H. J.	Young, R. C.
Short, W. C., jr.	Tuttle, M. H.	Zink, W. T., jr.

COURSE OF INSTRUCTION, 1930-31

[Reference books are marked *]
 FIRST YEAR—FOURTH CLASS
 FIRST TERM

Departments	Periods each week	Subjects	Textbooks
ENGINEERING AND AERONAUTICS.	2	Descriptive geometry and mechanical drawing.	Bartlett and Johnson's Engineering Descriptive Geometry and Drawing.
MATHEMATICS-----	6	Solid geometry----- Plane and spherical trigonometry and logarithms.	Hawkes—Luby—Touton. Bullard and Kiernan's Plane and Spherical Trigonometry, Revised. American Practical Navigator,* Bowditch.
ENGLISH AND HISTORY-----	3	Composition and literature.	Alden and Earle's Makers of Naval Tradition. Alden's Writing and Speaking. Westcott, Lewis, and Weber's Four Centuries of Literature. Webster's Collegiate Dictionary.*
MODERN LANGUAGES----- (One half of the class studies Spanish and the other studies French, except one section from each of the first and third battalions studies German, and one section from each of the second and fourth battalions studies Italian.)	3	Spanish-----	Hill's and Ford's First Spanish Course. Dictionary of the English and Spanish Languages.*
ELECTRICAL ENGINEERING AND PHYSICS.	3	German-----	Elementary German Grammar: Wesselhoeft.
	3	French-----	The New Fraser and Squair French Grammar.
	3	Italian-----	Cestre Guibillon French Dictionary.* Elementary Italian Grammar; Russo.
	2	Chemistry-----	McPherson and Henderson's Elementary Study of Chemistry. McPherson and Henderson's Exercises in Chemistry. Pamphlet: Dashiell's Problems in Chemistry.
HYGIENE-----		Effects of alcohol and narcotics. Naval and military hygiene. First aid to the injured. (First period Saturday mornings, except one a month.)	Heiner's Physiology, First Aid, and Naval Hygiene.
SECOND TERM			
ENGINEERING AND AERONAUTICS.	2	Descriptive geometry and mechanical drawing.	Bartlett and Johnson's Engineering Descriptive Geometry and Drawing.
MATHEMATICS-----	6	College algebra----- Introduction to engineering mathematics. Elementary calculus-----	Palmer and Miser's College Algebra. R. K. Morley's Introduction to Engineering Mathematics. Woods and Bailey's Elementary Calculus. Mechanical Engineers' Handbook, by Marks.* American Practical Navigator,* Bowditch. Keuffel and Esser's Log-log Slide Rule, with Instruction Pamphlet.*
ENGLISH AND HISTORY-----	3	Composition and literature.	Alden's Writing and Speaking. Westcott, Lewis, and Weber's Four Centuries of Literature. Shakespeare's Henry IV: Part I, Othello, and King Lear. Pattee's Century Readings in the American Short Story.
MODERN LANGUAGES----- (One-half of the class studies Spanish and the other studies French, except one section from each of the first and third battalions studies German, and one section from each of the second and fourth battalions studies Italian.)	3	Spanish-----	Hill's and Ford's First Spanish Course. Un Verano en España (Weems).
	3	German-----	Elementary German Grammar, Wesselhoeft.
	3	French-----	The New Fraser and Squair French Grammar.
	3	Italian-----	Le Tour du Monde (Green). Elementary Italian Grammar, Russo
ELECTRICAL ENGINEERING AND PHYSICS.	2	Chemistry-----	McPherson and Henderson's Elementary Study of Chemistry. McPherson and Henderson's Exercises in Chemistry. Pamphlet: Dashiell's Problems in Chemistry.

COURSE OF INSTRUCTION

SECOND YEAR—THIRD CLASS

FIRST TERM

Departments	Periods each week	Subjects	Textbooks
ENGINEERING AND AERONAUTICS.	3	Engineering drawing Navy Department drawings.	Bartlett and Johnson's Engineering Descriptive Geometry and Drawing.
MATHEMATICS-----	5	Calculus Analytic geometry-----	Woods and Bailey's Elementary Calculus.
ELECTRICAL ENGINEERING AND PHYSICS. ¹	4	Physics-----	Mechanical Engineer's Handbook, by Marks.* Keuffel and Esser's Polyphase Slide Rule, with Instruction Pamphlet.* Spinney's Textbook of Physics. Department's Physics Manual. Department's Physics Laboratory Manual.
ENGLISH AND HISTORY-----	3	Naval history-----	Stevens and Westcott's History of Sea Power. Clark, Stevens, Alden, and Kraft's Short History of the United States Navy (revised by Alden). Essentials of Spanish (Torres). Temas Espanoles (Crawford).
MODERN LANGUAGES----- (One-half of the class studies Spanish and the other studies French, except one section from each of the first and third battalions studies German and one section from each of the second and fourth battalions studies Italian.)	2 2 2 2	Spanish----- German----- French----- Italian-----	Elementary German Grammar (Wesselhoeft). Fournon and Broussard's Pour Parler Français. The New Fraser and Squair French Grammar. Elementary Italian Grammar (Russo).

SECOND TERM

ENGINEERING AND AERONAUTICS.	3	Mechanisms Engineering materials and processes.	Baker and Farrell's Principles of the Basic Mechanisms. Ashe and Hale's Engineering Materials and Processes.
MATHEMATICS-----	5	Mechanics-----	Elementary Mechanics—Department of Mathematics, U. S. Naval Academy. Mechanical Engineers' Handbook, by Marks.* Keuffel and Esser's Polyphase Slide Rule, with Instruction Pamphlet.* Spinney's Textbook of Physics. Department's Physics Manual. Department's Physics Laboratory Manual.
ELECTRICAL ENGINEERING AND PHYSICS.	3-4	Physics-----	Dawes' Electrical Engineering, Vol. I. Westcott, Lewis, and Webster's Four Centuries of Literature. Mead's Development of the United States since 1865. Atlantic Monthly (February to May). Gil Blas (Padre Isla). Essentials of Spanish (Torres). Elementary German Grammar; Wesselhoeft. The New Fraser and Squair French Grammar. French Composition and Conversation, Olmsted and Barton. Elementary Italian Grammar, Russo.
ENGLISH AND HISTORY-----	3	History of the United States since 1865.	Heiner's Physiology, First Aid and Naval Hygiene.
MODERN LANGUAGES----- (One half of the class studies Spanish and the other studies French, except one section from each of the first and third battalions studies German, and one section from each of the second and fourth battalions studies Italian.)	2 2 2 2	Spanish----- German----- French----- Italian-----	Effect of alcohol and narcotics. Naval and military hygiene. First aid to the injured. (Ten Friday evening periods.)
HYGIENE-----			

¹ Third class has 8 drill periods in December and January, and a like number in February and March devoted to recitations.

THIRD YEAR—SECOND CLASS

FIRST TERM

Departments	Periods each week	Subjects	Textbooks
ENGINEERING AND AERONAUTICS.	4	Boilers----- Reciprocating engines----- Auxiliary machinery-----	Department of Engineering and Aeronautics Marine and Naval Boilers, 1929. Bureau of Engineering Manual. Department of Engineering and Aeronautics Naval Reciprocating Engines, 1929. Department of Engineering and Aeronautics Naval Auxiliary Machinery, 1929.
MATHEMATICS-----	5	Spherical trigonometry----- Differential equations-----	Bullard and Kiernan's Plane and Spherical Trigonometry. Phillips. Mechanical Engineers' Handbook, by Marks.* Keuffel and Esser's Polyphase Slide Rule, with Instruction Pamphlet.* Dawes' Electrical Engineering, Vol. I. Department's Direct Current Laboratory Manual.
ELECTRICAL ENGINEERING AND PHYSICS.	3	Magnetism and electricity (D. C.)	Elements of Astronomy (Fath). Navigation (Dutton). American Practical Navigator. Nautical Almanac. Azimuth Tables.* Cuentos Hispano-Americanos (Laguardia).
NAVIGATION-----	3	Navigation-----	Le Voyage de M. Perrichon (Labiche and Martin).
MODERN LANGUAGES----- (One half of class studies Spanish and the other half French.)	1 1	Spanish----- French-----	

SECOND TERM

SEAMANSHIP AND FLIGHT TACTICS.	3	Seamanship----- Signals and communication procedure. Regulations----- Naval aviation----- Aviation history-----	Knight's Seamanship. Naval Terms and Definitions.* Boat Book, 1927. Signal Books, U. S. Navy.* Communication Instructions, U. S. Navy; and department pamphlet. Bureau of Navigation Study Course, Seaman Signalman 3c. U. S. Navy Regulations. Naval Aviation, 1929. Vol. I, U. S. Navy Aviation Ground School Manual. Naval Ordnance, 1925. Notes on Torpedoes, Mines, Fire Control, and Battle Efficiency, Part 2. Departmental Memoranda. Notes on Fire Control, Part I. U. S. Navy Regulations, 1920. Navigation (Dutton). American Practical Navigator. Nautical Almanac. Azimuth Tables.*
ORDNANCE AND GUNNERY-----	3	Ordnance, gun construction, torpedoes, and mines. Aviation gunnery. Safety orders. Fire control-----	Notes on Torpedoes, Mines, Fire Control, and Battle Efficiency, Part 2. Naval Ordnance, 1925. Notes on Torpedoes, Mines, Fire Control, and Battle Efficiency, Part 2. Departmental Memoranda. Notes on Fire Control, Part I. U. S. Navy Regulations, 1920. Navigation (Dutton). American Practical Navigator. Nautical Almanac. Azimuth Tables.*
NAVIGATION-----	3	Navigation-----	Manning and Schumacher's Naval Architecture and Warship Construction. Aircraft Construction, 1928, Department of Engineering and Aeronautics. Dawes' Electrical Engineering, Vol. I and Vol. II. Department's Direct Current Laboratory Manual.
ENGINEERING AND AERONAUTICS.	3	Naval construction----- Aircraft construction-----	
ELECTRICAL ENGINEERING AND PHYSICS.	3	Electricity (D. C. and A. C.). Dynamo-electric machines, primary and secondary batteries, searchlights, telephones, etc.	
MODERN LANGUAGES----- (One half of the class studies Spanish and the other half French.)	1 1	Spanish----- French-----	Spanish Nautical Phrase Book and Reader. French Nautical Phrase Book and Reader. Heiner's Physiology, First Aid and Naval Hygiene.
HYGIENE-----		Effects of alcohol and narcotics. Naval and military hygiene. First aid to the injured. (10 Friday evening periods.)	

FOURTH YEAR—FIRST CLASS

FIRST TERM

Departments	Periods each week	Subjects	Textbooks
SEAMANSHIP AND FLIGHT TACTICS.	3	Seamanship Signals Military law International law Communications (including aircraft communications and procedure).	Knight's Seamanship. Boat Book, 1927. Naval Terms and Definitions.* Signal Books, U. S. Navy. Naval Courts and Boards. International Law, Soule and McCauley. Communication Instructions, U. S. Navy. Bureau of Navigation Study Courses, Radioman 3c. Naval Ordnance, 1925. Exterior Ballistics, 1930. Range and Ballistic Tables, 1930. Notes on Fire Control, Part I. Departmental Memoranda. Navigation (Dutton). Notes on Hydrographic Surveying (Refo). American Practical Navigator. Nautical Almanac. Azimuth Tables.*
ORDNANCE AND GUNNERY-----	3	Fire control Interior ballistics Exterior ballistics Naval ordnance	Ennis' Thermodynamics, Abridged. Cox and Libbey's Naval Turbines. Dawes' Electrical Engineering, Vol. II, and department's pamphlet, Application of Electricity to Marine Propulsion. Department's Alternating Current Laboratory Manual.
NAVIGATION-----	2	Navigation	After-dinner speaking (Tuesday and Thursday evenings).
ENGINEERING AND AERONAUTICS. ELECTRICAL ENGINEERING AND PHYSICS.	3	Thermodynamics Turbines Alternating currents and alternating current machinery.	Un Viaje a Sud América (McHale).
ENGLISH AND HISTORY-----			Le Français Oral (Pargment). Heiner's Physiology, First Aid, and Naval Hygiene.
MODERN LANGUAGES----- (One half of the class studies Spanish, the other half French.)	2	Spanish	
HYGIENE-----	2	French Effects of alcohol and narcotics. Naval and military hygiene. First aid to the injured, (10 Friday evening periods).	

SECOND TERM

SEAMANSHIP AND FLIGHT TACTICS.	3	Elementary strategy and tactics. Aviation History. Aerology. Regulations. Mooring board.	War College and department pamphlets. Vol. II, U. S. Navy Aviation Ground School Manual. Vol. I, U. S. Navy Aviation Ground School Manual. Do. U. S. Navy Regulations. Pamphlet: Where You Are to Where You Want To Go. Exterior Ballistics, 1930. Range and Ballistic Tables, 1930. Gunnery Instructions, U. S. N. Notes on Fire Control, Part I. Bureau of Ordnance pamphlets. Official publications. Departmental Memoranda. Navigation textbooks same as for first term, and H. O. 208 additional. Cox and Libbey's Naval Turbines. Internal-Combustion Engines (Lind).
ORDNANCE AND GUNNERY-----	3	Exterior ballistics Fire control Gunnery instructions Practical gunnery	
NAVIGATION-----	2	Navigation	
ENGINEERING AND AERONAUTICS.	3	Turbines Internal-combustion engines, and aviation engines.	
ELECTRICAL ENGINEERING AND PHYSICS.	3	Radio	Department's Radio Manual.
ENGLISH AND HISTORY-----	2	Modern European history (with lectures). After-dinner speaking (Tuesday and Thursday evenings).	Department's Radio Laboratory Manual. Turner's Europe since 1789.

Assignment of time 1930-31

Departments	First Class		Second Class		Third Class		Fourth Class		Summary
	First term	Second term	First term	Second term	First term	Second term	First term	Second term	
Seamanship and flight tactics.....	3	3	(1)	3					19-(10)
Ordnance and gunnery.....	3	3		3					9
Navigation.....	2	2	3	3					10
Engineering and aeronautics.....	3	3	4	3	3	3	2	2	23
Mathematics.....			5		5	5	45	6	426
Electrical engineering and physics.....	3	3	3	3	23	23	2	2	2,3 22-(23)
English.....		2-x			3	3	3	3	14
Languages.....	2		1	1	2	2	3	3	14
Hygiene.....	(5)			(5)		(5)	41		53+1

¹December and January, 1 period.²December and January, 4 periods.³February and March, 4 periods.⁴Hygiene except once each month for mathematic examination.⁵Friday night lecture.

Coefficients 1930-31

Departments	First Class		Second Class		Third Class		Fourth Class		Summary
	First term	Second term	First term	Second term	First term	Second term	First term	Second term	
Aptitude for the service.....	17		12		7		3		39
	First term	Second term	First term	Second term	First term	Second term	First term	Second term	
Seamanship and flight tactics.....	8	8		6					22
Ordnance and gunnery.....	8	8		6					22
Navigation.....	5	5	6	6					22
Engineering and aeronautics.....	7	7	7	6	4	4	1	2	38
Mathematics.....			10		7	6	3	4	30
Electrical engineering and physics.....	8	8	6	6	3	4	1	2	38
English.....		5			4	4	2	2	17
Languages.....	4		1	2	3	3	2	2	17
Hygiene.....	2			1		1	1		5
Total.....	100		75		50		25		250

3667-30---10

Program of recitations, 1930-31—first term

Day	Class	Battalion	Periods				
			First 0750 to 0954	Second 1004 to 1208	Third 1310 to 1514	Fourth 1527 to 1630	Fifth 1945 to 2130
Monday-----	1	1, 3 4, 2	Ordnance E. E. and P.	S. and F. T Languages	E. E. and P. S. and F. T.	do. ¹	Drill----- Study.
	2	1, 3 4, 2	Mathematics E. E. and P.	E. E. and P. Mathematics	E. and A. ¹	do. ¹	
	3	1, 3 4, 2	English Languages	E. E. and P. English	Mathematics	do.	
	4	1, 3 4, 2	Mathematics E. and A. ²	E. E. and P. Mathematics	do. ¹	do.	
	1	1, 3 4, 2	do. ¹	Languages	Navigation	do.	
	2	1, 3 4, 2	do. ¹	Ordnance	E. E. and P.	do.	
Tuesday-----	2	1, 3 4, 2	Mathematics Navigation	E. E. and P. Mathematics	E. and A.	do.	Do.
	3	1, 3 4, 2	English E. E. and P.	E. and A. ¹	Mathematics	do.	
	4	1, 3 4, 2	Mathematics Languages	do. ¹	do.	do.	
	1	1, 3 4, 2	Ordnance Navigation	E. E. and P. S. and F. T.	E. and A. ¹	do.	
	2	1, 3 4, 2	Mathematics E. E. and P.	Mathematics	do.	do.	
	3	1, 3 4, 2	English do. ¹	E. E. and P. Languages	Mathematics	Recreation..	
Wednesday-----	4	1, 3 4, 2	Mathematics E. E. and P.	Mathematics	do.	do.	Do.
	1	1, 3 4, 2	do. ¹	Languages	E. E. and P.	Recreation..	
	2	1, 3 4, 2	do. ¹	Mathematics	English	do.	
	3	1, 3 4, 2	do. ¹	Mathematics	E. E. and P.	do.	
	4	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	1	1, 3 4, 2	do. ¹	Languages	E. E. and P.	do.	
Thursday-----	2	1, 3 4, 2	Mathematics Navigation	E. E. and P. Mathematics	E. and A. ³	do.	Do. ⁴
	3	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	4	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	1	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	2	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	3	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
Friday-----	4	1, 3 4, 2	Mathematics E. E. and P.	Mathematics	do.	do.	Hygiene. ⁴ Do. ⁴
	1	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	2	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	3	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	4	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	1	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
Saturday-----	2	1, 3 4, 2	Mathematics S. and F. T.	Mathematics	do.	do.	Liberty. Motion pictures, etc.
	3	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	4	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	1	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	2	1, 3 4, 2	do. ¹	Mathematics	do.	do.	
	3	1, 3 4, 2	do. ¹	Mathematics	do.	do.	

¹ When second class has electrical engineering and physics examination in third period on Monday, first and third battalions recite engineering and aeronautics during second period; and, fourth and second battalions recite engineering and aeronautics during first period.

² When fourth class has engineering and aeronautics examination in third period on Monday, first and third battalions recite languages during second period and fourth and second battalions recite English during first period.

³ When second class has mathematics examination in third period on Thursday, first and third battalions recite engineering and aeronautics during first period and second and fourth battalions recite engineering and aeronautics during second period.

⁴ Or as modified by schedule of Friday night lectures.

⁵ December and January.

⁶ Period assigned to hygiene except once each month assigned to mathematics for examination as modified by Table 12.

NOTE.—During the odd numbered academic months, the first and fourth battalions recite the first hour of a period. During the even numbered academic months the second and third battalions recite the first hour of a period. For the academic year of 1930-31 each odd numbered battalion of the regiment studies Spanish and each even numbered battalion studies French, except that in the third and fourth classes one Italian section will be organized from each of the second and fourth battalions, and one German section from each of the first and third battalions. Assignment to each language on entrance becomes permanent for the course, except for those midshipmen of the third class of the academic year 1930-31 who elect to study German or Italian and who will be transferred to that language.

Program of recitations, 1930-31—Second term

Day	Class	Battalion	Periods				
			First 0750 to 0954	Second 1004 to 1208	Third 1310 to 1514	Fourth 1527 to 1630	Fifth 1945 to 2130
Monday-----	1	1, 3	S. and F. T.	E. E. and P.	Navigation		
		4, 2	Ordnance	Navigation	E. E. and P.		
	2	1, 3	E. and A.	E. E. and P.	Ordnance		
		4, 2	do	Ordnance	S. and F. T.	Drill	
	3	1, 3	Mathematics	English	E. E. and P.		Study.
		4, 2	Languages	Mathematics	English		
Tuesday-----	1	1, 3	English	do	Languages		
		4, 2	Mathematics	E. and A.	English		
	1	1, 3	Ordnance	E. E. and P.	Navigation		
		4, 2	E. E. and P.	S. and F. T.	do		
	2	1, 3	Navigation	E. and A.	S. and F. T.	do	
		4, 2	E. E. and P.	do	Ordnance	do	Do
Wednesday-----	3	1, 3	Languages	English	Mathematics		
		4, 2	E. and A.	E. E. and P.	do		
	1	1, 3	English	Mathematics	E. E. and P.		
		4, 2	Mathematics	Languages	E. and A.		
	2	1, 3	E. and A.	Ordnance	English		
		4, 2	do	E. E. and P.	do		
Thursday-----	3	1, 3	E. E. and P.	Navigation	Languages		
		4, 2	Navigation	S. and F. T.	do		
	1	1, 3	E. E. and P.	E. and A.	Mathematics	Recreation	Do.
		4, 2	S. and F. T.	do	do		
	2	1, 3	Ordnance	E. E. and P.	E. E. and P.	Drill	
		4, 2	Navigation	Ordnance	E. and A.		Do.
Friday-----	3	1, 3	Mathematics	E. E. and P.	Mathematics		
		4, 2	English	do	E. E. and P.		
	1	1, 3	E. E. and P.	do	Languages		
		4, 2	Mathematics	English	English		
	2	1, 3	S. and F. T.	E. and A.	Ordnance		
		4, 2	Ordnance	do	S. and F. T.		English.*
Saturday-----	3	1, 3	S. and F. T.	do	Navigation		Do.
		4, 2	S. and F. T.	do	E. E. and P.	Drill	Hygiene.
	1	1, 3	E. E. and P.	E. and A.	do		Do.
		4, 2	Mathematics	English	do		Do.
	2	1, 3	Mathematics	E. E. and P.	do	Recreation	Do.
		4, 2	do	Mathematics	do		
	3	1, 3	E. E. and P.	E. and A.	do		
		4, 2	Mathematics	do	do		
	1	1, 3	E. and A.	do	do		
		4, 2	do	do	do		
	2	1, 3	Languages	E. E. and P.	do		
		4, 2	do	do	do		
	3	1, 3	Mathematics	do	do		
		4, 2	do	do	do		
	4	1, 3	Mathematics	do	do		
		4, 2	do	do	do		

* Or as modified by schedule of Friday night lectures.

1 When 4th class has engineering and aeronautics examination in 3d period, Thursdays, 2d and 4th Battalions recite languages 1st period.

2 February and March, 10.04 a. m. to 12.08 p. m.

3 During the odd numbered academic months, the 1st and 4th Battalions recite the first hour of a period. During the even numbered academic months, the 2d and 3d Battalions recite the first hour of a period.

4 For the academic year 1930-1931 each odd-numbered battalion of the regiment studies Spanish and each even numbered battalion studies French. Assignment to each language on entrance becomes permanent for the entire course.

Recreation,
liberty
motionpic-
tures, etc.

Schedule of Friday night, fifth period, lectures, 1930-31

Date	First class subject	Second and third classes subject	Date	First class subject	Second and third classes subject
Oct. 3	Executive.....		Feb. 13	Executive.....	Hygiene.
10	Hygiene.....		20	English.....	Do.
24	.....do.....		27	.....do.....	Do.
31	Executive.....		Mar. 6	.....do.....	Hygiene examination.
Nov. 7	Hygiene.....		13	.....do.....	
21	.....do.....		20	.....do.....	Hygiene.
28	Hygiene examination.		27	.....do.....	Do.
Dec. 5	Hygiene.....		Apr. 3	Executive.....	Do.
19	.....do.....		10	English.....	Do.
Jan. 2	.....do.....		24	.....do.....	Do.
9	.....do.....		May 1	.....do.....	Hygiene examination.
16	Hygiene examination.		8	Executive.....	
30	Executive.....		22	English.....	
Feb. 6	English.....	Hygiene.			

Schedule of Saturday morning, first period recitation for fourth class, first term, 1930-31

Oct. 4	Hygiene.	Nov. 15	Mathematics examination.	Jan. 3	Hygiene.
11	Do.			10	Do.
18	Mathematics examination.	22	Hygiene examination.	17	Hygiene examination.
		29	Hygiene.	24	Mathematics examination.
Nov. 1	Hygiene.	Dec. 13	Mathematics examination.	31	Hygiene
8	Do.				

ARRANGEMENT OF COURSES

1930-1931

All courses are completed each term. Midshipmen are required to have a 2.5 or over in each department for each term.

RÉSUMÉ OF COURSE OF INSTRUCTION

EXECUTIVE

The executive department, under the direction of the commandant of midshipmen, has for its mission—

Development of the highest standards of uprightness, truth, honor, loyalty, and patriotism.

Development of officerlike character, including the qualities of initiative, force, leadership, attention to duty, military bearing, cleanliness of mind and person, neatness of dress, and aptitude for the service.

Enforcement of the regulations for interior discipline.

General direction of all drills, including infantry tactics, extended order, and physical drill under arms.

Supervision of all midshipmen entertainments and extracurricular activities.

Service to the regiment of midshipmen by the midshipmen's commissary, midshipmen's store, tailor shop, laundry, barber shop, and cobbler.

Administration of Bancroft Hall, where the regiment of midshipmen is quartered and messed.

Supervision of the Naval Academy Band, police, fire-fighting organization, farm and dairy, and commissary store.

Summary of practical instruction periods, 1930-31

[Numbers preceding dash indicate number of week days; numbers following dash indicate number of Saturdays]

Department	First battalion				Second battalion			
	First class	Second class	Third class	Fourth class	First class	Second class	Third class	Fourth class
Executive.....	44½- 8	46- 7	42- 7	41- 7	41½-10	43- 9	39- 9	38- 9
Ordnance and gunnery.....	24- 7	19- 4	17- 4	8- 2	25- 5	21- 3	19- 3	8- 2
Seamanship and flight tactics.....	22½- 5	18-11	23- 4	31- 8	23½- 5	19-10	25- 3	32- 6
Engineering and aeronautics.....	10- 4	24- 4	35- 0	16- 3	14- 3	24- 4	34- 0	16- 4
Electrical engineering and physics.....	17- 4	6- 1	0-14	0- 0	13- 5	6- 1	0-14	0- 0
Navigation.....	3- 1	2- 1	0- 0	0- 0	4- 1	2- 1	0- 0	0- 0
Gymnasium.....	9- 0	15- 1	13- 0	27- 7	9- 0	15- 1	13- 0	28- 6
Dancing.....	0- 0	0- 0	0- 0	7- 2	0- 0	0- 0	0- 0	8- 2
Total.....	130- 29	130-39	130-29	130-29	130-29	130-29	130-29	130-29

Department	Third battalion				Fourth battalion			
	First class	Second class	Third class	Fourth class	First class	Second class	Third class	Fourth class
Executive.....	45½- 8	46- 7	42- 7	41- 7	42½-10	43- 9	39- 9	38- 9
Ordnance and gunnery.....	20- 7	18- 4	18- 4	7- 2	26- 5	23- 3	19- 3	8- 1
Seamanship and flight tactics.....	21½- 5	15-11	20- 4	26- 8	20½- 5	19-10	27- 3	32- 6
Engineering and aeronautics.....	13- 4	24- 4	37- 0	16- 3	13- 3	21- 4	32- 0	12- 4
Electrical engineering and physics.....	17- 4	6- 1	0-14	0- 0	15- 5	6- 1	0-14	0- 0
Navigation.....	4- 1	3- 1	0- 0	0- 0	4- 1	2- 1	0- 0	0- 0
Gymnasium.....	9- 0	18- 1	13- 0	32- 7	9- 0	16- 1	13- 0	32- 7
Dancing.....	0- 0	0- 0	0- 0	8- 2	0- 0	0- 0	0- 0	8- 2
Total.....	130- 29	130-29	130-29	130-29	130-29	130-29	130-29	130-29

NOTE.—In accord with action of the academic board the second class will have recitations in seamanship during the second period on Saturdays during the academic months of December and January and the third class will have recitations in electrical engineering and physics during the second period on Saturdays during the academic months of December, January, February, and March.

SEAMANSHIP AND FLIGHT TACTICS

The department of seamanship and flight tactics has for its mission the instruction of midshipmen to the end that upon graduation they may be capable of efficiently performing the duties of a junior officer afloat, as junior officer of the watch, junior deck division officer, junior forecastle officer, boat officer, assistant communication officer, and recorder of a summary court-martial. Midshipmen receive instruction giving them an elementary knowledge of flight tactics, aviation history, and aerology.

Seamanship drills commence with the day of the fourth classman's entrance into the academy, continue throughout the entire course, and are supplemented by practical instruction on the practice cruises. Commencing with learning how to pull a service cutter, the drills progress through handling service-type and civilian-type boats under oars, sail, and power; signals—semaphore, Morse visual code, and flag hoist; ground tackle work; knotting and splicing; compass, log, and lead; tactics and evolutions; communications.

In general, members of the fourth class take the ordinary crew duties, and have qualifications similar to seamen; third class, as important crew members, with qualifications as petty officer; second class, as second in command, with qualifications as chief petty officer; and first class, in command, with qualifications as junior officer.

Recitations are held in seamanship second term of third year, and throughout both terms of the fourth year. The instruction covers signals, seamanship in general, nautical phraseology, communications, regulations, military law, elementary strategy and tactics, international law, leadership, mooring and maneuvering board, and aviation subjects connected with flight tactics, such as "Aviation History," "Aerology," "Aircraft Communications," and "Aviation Scouting."

For first class, additional instruction in tactics and in seamanship evolutions is carried on in submarine chasers, all of the duties of the deck force being taken over by the midshipmen, under the supervision of experienced officer instructors.

The first class is given flight during the spring and fall practical instruction periods.

The second class is retained at the Naval Academy during the summer and given an aviation training course.

ORDNANCE AND GUNNERY

The course includes all the theoretical and practical instruction required for the performance of gunnery duties aboard ship as a junior officer and in addition gives a thorough basic foundation for future study and development work in ordnance and gunnery. It is divided into two parts—section room and practical instruction. The section-room instruction covers subjects which must be studied and can best be learned as a midshipman; the practical instruction and drill includes work with all types of naval ordnance from small arms to turret guns and methods for control of all weapons. Drills which can be best given aboard ship and preparations for target practice are held during the practice cruise and not at the Naval Academy.

The practical work begins the summer of the fourth class year and includes firing on the rifle range with rifle and pistol up to the experts' course and explanation of all ordnance equipment and models in Dahlgren Hall. During the fourth, third, and second class years this practical instruction is continued with small arms, machine guns, broadside battery, torpedoes, models, and training in the duties of all personnel connected with ordnance. Second class also has instruction in mines and fire control. First class year is devoted to fire control and methods of using broadside and turret guns, torpedoes, aviation

ordnance, aviation bombing, and grenades. On the first class practice cruise midshipmen, first class, perform the duties of officers in gunnery exercises with the fleet.

Instruction in the section room begins the second term, second class year, with a study of naval ordnance, gun construction, aviation gunnery, and torpedoes. In first class year a study is made of gun construction, powder pressures, velocities and trajectories of projectiles, ranges and errors of naval guns, fire control of all types of guns, gunnery methods, including aviation gunnery, and the duties of a junior officer in the gunnery department aboard ship.

Textbooks and service publications are used which have been specially written by experienced officers of the United States Navy for instructional purposes of midshipmen and junior officers. Besides the study of these, a series of lectures on practical ordnance and gunnery is given by officers from the Navy Department or the fleet.

Throughout the course great stress is laid not only upon the duties of a junior officer in gunnery, but the relation of each subject to the development of ordnance and gunnery in the United States Navy, the present gunnery methods of the fleet, and the possible future requirements which must be met by naval officers who are graduates of the Naval Academy.

NAVIGATION

DIVISION OF TIME		Time (per cent)
Character of work		
Recitations-----		31
Practical problems (written recitations)-----		40
Examinations-----		14
Practical instruction (charts and instruments)-----		11
Drills-----		4
		100

SECOND CLASS YEAR—FIRST TERM

Object.—Basic instruction in the elements of astronomy and in geonavigation.

The work of this term is started with a study of astronomy so that the midshipman may have a good basic knowledge of the elements with which he is dealing. This also clarifies his ideas in the study of spherical trigonometry which course is given at this point in the department of mathematics. Geonavigation is taken up following astronomy, and the midshipman is taught the operation and use of the magnetic compass and the use of charts for finding his position near land. He is also taught the methods of working up his courses and positions at sea by the method of dead reckoning. The study of time completes the term's work.

Practical instruction at the astronomical model, in piloting, and in the use of charts and instruments, including the compensation of the magnetic compass, is coordinated with the work noted above.

SECOND CLASS YEAR—SECOND TERM

Object.—To consolidate the work of the first term so as to give the midshipman a logical and comprehensive idea of the navigator's daily work in conducting the ship from place to place and checking her position.

The result desired is to so prepare the midshipman that he will be able to get the most practical value out of his first class cruise, where he will have an opportunity to take observations and actually locate the ship on the chart.

The practical instruction in chart and compass work is continued with the idea of making the midshipman thoroughly familiar with the proper methods of piloting.

The drills are designed to give a thorough working knowledge of the care, operation, and handling of the sextant.

FIRST CLASS CRUISE

Object.—The practical application on board ship of the instruction given during second class year.

The midshipman is required to take sights, work them out, and locate the ship, both by means of these sights and by dead reckoning. Piloting is taught under circumstances which enable the midshipman to see clearly how the ship is handled. The actual compensation of a ship's compass is carried out when possible and the midshipman required to assist so that the practical difficulties encountered may be clearly seen and appreciated. The value of the gyro-compass is demonstrated and instruction given in its use.

FIRST CLASS YEAR—FIRST AND SECOND TERMS

Object.—The mission of this department, carrying out the broader mission of the Naval Academy, is to teach navigation in such a manner as to insure the mastery of fundamental principles and to provide that at graduation midshipmen are prepared to perform navigational duties on board ship in accordance with standard service practice.

A fictitious circumnavigating world cruise is conducted to give the midshipmen all possible variations of the problem of position. In addition, the following subjects are taught in the section room, at drills, and by practical instruction in the chart room:

- (a) The duties of the navigator in accordance with Navy regulations.
- (b) Aerial navigation.
- (c) The value and use of radio bearings.
- (d) The use and relative value of various methods for the solution of the astronomical triangle.
- (e) Hydrographic surveying.

ENGINEERING AND AERONAUTICS

FOURTH CLASS YEAR—SUMMER AND FIRST TERMS

Descriptive geometry and mechanical drawing.—Instruction in use of drawing instruments and development of manual dexterity in employment. Standard methods of lettering and practice in their use. Application of the foregoing to descriptive geometry, with the representation of lines, planes, curved surfaces, and intersections, in order to develop the ability to visualize objects in space.

FOURTH CLASS YEAR—SECOND TERM; THIRD CLASS YEAR—FIRST TERM

Engineering drawing.—Making of free-hand working sketches of small machine parts, with full dimensional data taken from work, and the making of standard working drawings from such sketches. Understanding of standardized parts and use of tables of standards in design. The making of detail from assembled drawings and vice versa, particular emphasis being laid upon the ability to read blue prints correctly and to appreciate good points in the design of a machine.

THIRD CLASS YEAR—SECOND TERM

Mechanisms.—A study of the underlying principles governing the relative motions of parts of machinery, including revolving and oscillating bodies; belt, rope, and chains; motion by pure rolling contact; gears and gear teeth; wheels in train; inclined plane, wedge, screw, worm and wheel; cams; relative velocities

of rigidly connected points; linkwork; straight-line mechanisms; parallel motions; aggregate combinations; pulley blocks; intermittent motion.

Engineering materials and processes.—A study of engineering and construction materials; their properties and uses, and the essential steps in producing them from ore to the finished product. Methods of shaping metals for use and a study of the essential features of metallography, particularly with reference to steel.

SECOND CLASS YEAR—FIRST TERM

Boilers.—A study of different fundamental types of marine boilers, including principles of water and gas circulation; combustion and fuels; boiler accessories fittings, and measuring instruments; general principles connected with operation and maintenance.

SECOND CLASS YEAR—FIRST AND SECOND TERMS

Naval reciprocating engines and auxiliary machinery.—General principles and thermodynamics as applied to this type of machinery; study of mechanical parts and materials used; measurement of power; fundamentals of construction and operation of condensers, pumps, valves, heaters, tanks, lubrication systems, and complete installations.

SECOND CLASS YEAR—SECOND TERM

Naval construction.—General study of ship's lines and definitions pertaining thereto; various steps in planning a ship; calculations of areas and volumes; general principles of stability, both static and dynamic; displacement and trim, with curves in relation thereto; effects of weight distribution and of weight shifting; resistance of ships; coefficients of speed, law of corresponding speeds; ship nomenclature; details of construction of naval vessels; launching and docking; general arrangement of ship compartments and methods of flooding, draining, and ventilating; details of steering gear; care and preservation of hulls.

Aircraft construction.—General study of heavier-than-air aircraft; nomenclature and definitions; aerodynamics in relation to stability and control; aerofoils, powering, external loading, and design; details of construction, erection, care, and preservation; naval service types.

FIRST CLASS YEAR—FIRST TERM

Thermodynamics.—The utilization of heat as energy to perform mechanical work in various types of machinery, such as turbines, internal-combustion engines, refrigerating machinery, etc., including a study of the use of steam tables and diagrams.

FIRST CLASS YEAR—FIRST AND SECOND TERMS

Steam turbines.—Underlying principles of turbines, their classification into types, and the characteristics of each type; necessary turbine auxiliaries; study of various types of turbines used in the Navy; general principles of operation and care of marine turbine installations.

FIRST CLASS YEAR—SECOND TERM

Internal-combustion engines.—Underlying principles of internal-combustion engines. Study of Otto and Diesel cycles, and their application to existing types of engines. Fuels and lubricants. Study of marine types of gasoline and oil engines, and of aircraft engines, including mechanical parts, carburetion, lubrication, cooling, and ignition systems. General principles of operation.

PRACTICAL WORK

FOURTH CLASS YEAR—SUMMER

Pattern shop.—Elementary work of the carpenter shop, mortising, joining, woodworking lathes, etc.

Machine shop.—Chipping and filing of conventional pieces of iron and brass, and instruction to use of power tools.

Sketching.—Sketching and dimensioning of simple geometrical shapes.

Coppersmith shop, forge shop, foundry.—Elementary instruction in work done in these shops.

Miscellaneous.—Examination of models and talks on boilers, reciprocating engines, turbines, internal-combustion engines, fireroom and engine-room auxiliaries, evaporators, etc.; ship construction, docking, steering engines, anchor engines, etc.

FOURTH CLASS YEAR—WINTER DRILLS

Pattern shop.—Selection and treatment of different kinds of woods for various purposes; continuation of summer work of the carpenter shop to finished pattern work.

Machine shop.—Vise bench work, principally fitting of bearings.

Miscellaneous.—Continuation of summer exercises, in greater detail.

THIRD CLASS YEAR—PRACTICE CRUISE

Tour of inspection of engine and boiler compartments and auxiliary stations; study and sketching (where applicable), of the general arrangement of machinery, accessories and fittings, corrosion, cleaning and painting, care of compartments, blue-print reading, shops, tools, materials, and repair work. Stand watches of firemen.

THIRD CLASS YEAR—WINTER DRILLS

Foundry.—Kinds of sand and implements used; making of molds; melting and pouring of iron and brass.

Forge shop.—Equipment and tools used; forging, welding, tempering, case-hardening, etc.; bending and quenching tests of metals, etc.

Boiler shop.—Riveting, soft and hard patching, calking, cutting out tubes, expanding tubes, brickwork, etc.

Coppersmith shop.—Soldering, hard and soft; making copper pipe; putting flanges on pipe; use of oil furnace and oil heater; sweating patch on a copper pipe.

Machine shop.—Machine-tool work from working drawings, including the setting of work. Machine tools used are lathes, planers, vertical and horizontal boring mills, simple and radial presses, shapers, milling machines, slotters, etc.

Fuel-oil-burning boiler.—Lighting fires and raising steam from a cold boiler; handling boiler under forced draft; control of fires for smokeless or smoke conditions; study of various types of burners; safety precautions to be observed in the handling and burning of fuel oil.

Miscellaneous.—Use of various measuring instruments; gage calibration; acetylene cutting and welding; electric welding; thermit welding; strength of metals; sketching of engineering parts.

SECOND CLASS YEAR—SUMMER COURSE AT NAVAL ACADEMY

Operation, maintenance, and tests of coal and oil fired boilers; reciprocating and turbine engines; evaporating plants, reciprocating and rotary pumps, refrigerating plants, and condensing plants.

Disassembly, overhaul, assembly and adjustment of reciprocating engines, pumps, gauges, and valves. Machine-shop practice and tests.

Fundamentals of ground school aviation, aviation engine overhaul, operation of aviation engines in laboratory and in test stands, structure and rigging of aircraft.

Lectures and motion-picture instruction engineering and aviation subjects, fundamentals, design, and prospective developments.

SECOND CLASS YEAR—WINTER DRILLS

Steering and anchor engines; propeller measurements; coal and fuel oil testing, flue-gas analysis and water testing. Inspection of various ships' models showing details of warship construction; also docking, including experiments, stability and buoyancy, damage control, gas warfare defense. Aircraft construction and wind-tunnel tests. Illustrated lectures on engineering, naval architecture, and aviation.

FIRST CLASS YEAR—PRACTICE CRUISE

Administration of the engineer department; study and operation of main engines and auxiliaries, power boat and aircraft engines; emergencies; repairs; stand watches of junior officer, machinist, and chief petty officer.

FIRST CLASS YEAR—WINTER DRILLS

Operation of steam turbines and internal-combustion engines; determination, by dynamometer, of horsepower developed; torsion meter; detailed inspection of marine turbines, reduction gear, and condensing plant; detailed inspection of carburetors and magnetos and the adjustment of them; detailed inspection and operation of various types of marine and aircraft gas engines; visits to experiment station; log-room administration; pump calibration.

MATHEMATICS

FIRST YEAR—FIRST TERM

Solid geometry.—The geometry of lines and planes in space, polyhedrons; cylinders, cones, spheres; development and use of formulas for surfaces and volumes; demonstrations of propositions; solution of problems by construction and computation.

Logarithms.—Definitions and properties; practical use in computation; tables of logarithms of numbers, of logarithms of trigonometric functions, and tables of natural functions; haversine tables; special system of forms for computation.

Plane trigonometry.—Measurement of arcs and angles; trigonometric functions; development and use of fundamental trigonometric relations and identities; solution of trigonometric equations; solution of all cases of plane triangles, including development of formulas and methods for same; simple applications to measuring heights and distances.

Spherical trigonometry.—Solution of all cases of spherical triangles, including development of formulae; numerical solution of great circle courses and distances and of various cases of the astronomical triangle—time sight, meridian altitude, etc.

FIRST YEAR—SECOND TERM

Algebra.—Short review of important parts of elementary algebra; quadratics and advanced algebra, including inequalities, mathematical induction, binomial theorem, variation, progressions, complex numbers, theory of equations, partial fractions, permutations, combinations, probability, determinants.

Introduction to engineering mathematics.—A problem course based on previously acquired knowledge of algebra, geometry, and trigonometry. Stress is laid on precision in calculation, so that the indicated accuracy of the results will be consistent with the exactness of the data. Theory and use of the slide rule.

Calculus.—The fundamental concepts of calculus, with numerous practical applications.

SECOND YEAR—FIRST TERM

Calculus.—Constants, variables, and functions; derivatives of algebraic functions, applications of derivatives; differential notation; differentiation of transcendental functions; integrations; applications of integrals; successive differentiation and integration; curves and curve tracing; definite integrals; application of integration to geometry and mechanics; special methods of integration; functions of two or more variables; multiple integrals; infinite series.

Plane and solid analytic geometry.—Taken concurrently with calculus, using the same textbook.

SECOND YEAR—SECOND TERM

Mechanics.—Use of the slide rule; vectors; statics of a particle; forces acting on a rigid body; statics of a rigid body; centers of gravity and moments of inertia; deformable bodies, beams; rectilinear motion; work and energy; curvilinear motion; dynamics of a rigid body; brief treatment of hydromechanics.

THIRD YEAR—FIRST TERM

Spherical trigonometry.—Review of solution of spherical triangles, including development of formulæ. Numerical solution of great circle courses and distances and of various cases of the astronomical triangle—time sight, meridian altitude, etc.

Differential equations.—Thorough drill in the setting up and solution of geometrical and physical problems involving important types of ordinary differential equations.

ELECTRICAL ENGINEERING AND PHYSICS

The course of instruction given by this department includes chemistry, physics, direct-current electricity, alternating-current electricity, and radio. The time available for each of these subjects is comparatively short and the courses are, therefore, more or less elementary, special emphasis being placed on fundamental principles. The following is an outline of the subjects studied by each class:

FOURTH CLASS—FIRST AND SECOND TERMS

The year is devoted to the study of general inorganic chemistry with laboratory work. In addition, lectures are given on the application of chemistry to devices and appliances in the service, water testing, gas analysis, explosives, chemical warfare, service paints, and qualitative analysis.

Practical work in the chemical laboratory supplements the classroom instruction. Experiments are performed illustrating the preparation and properties of various gases and other substances and include elementary qualitative analysis.

THIRD CLASS—FIRST AND SECOND TERMS

The subject of physics is taken up during the whole of the third class year and includes the study of mechanics, heat, sound, light, magnetism, and elementary electricity, and the application of the various laws and phenomena in these branches of the subject with special stress on problems. The course forms the groundwork for more advanced studies in other subjects, and includes the flight

of projectiles, balloons, gyroscopes, elements of thermodynamics, submarine listening devices, theory of flight, and optical instruments.

Practical work in the physics laboratory comprises experiments illustrating various physical laws and phenomena studied in the classroom. A number of lectures are given during the year.

SECOND CLASS—FIRST AND SECOND TERMS

The whole of second class year is devoted to the study of magnetism, electrostatics, direct-current and alternating-current electricity. During the first term, the fundamentals of simple electric circuits are studied with applications of Ohm's and Kirchoff's laws, while the second term is devoted principally to the theory and operation of dynamo-electric machines and alternating currents.

The laboratory work covers the following: Magnetic fields, induced currents, measurement of resistance, divided circuits, fall of potential, use and calibration of different measuring instruments supplied to ships, setting up and operation of primary and secondary batteries, operation and measuring efficiencies of dynamos and motors, devices for motor control, manipulation of switchboard, operation of electrical machinery supplied to naval vessels, measuring insulation resistance of electric plants, etc. There are also experiments for studying the characteristics of inductance and capacity.

A series of lectures is given to elucidate difficult points, to illustrate in a general way the practice in the electrical department aboard naval vessels, and as a review of the text already covered.

FIRST CLASS—FIRST AND SECOND TERMS

The first class takes up the subject of alternating-current electricity, including radio, about half of the time available being devoted to the study of radio. The course in alternating-current electricity is considered to be of great importance due to the increasing application of alternating-current machinery on board ship, principally in connection with the electric drive. This course starts with the theory of alternating-current generators and simple alternating-current circuits, including problems on series, parallel, and series-parallel circuits, and advances into the study of synchronous motors, transformers, polyphase currents, and induction motors, with the application of the latter to the electric drive.

The radio course covers the underlying principles of radio communication. The time allotted to radio is devoted to the study of the fundamental principles governing the operation of spark, arc, and vacuum-tube equipment according to their relative importance.

The above radio course covers the following: Wave motion; resistance, inductance, capacity, and resonance, as applied to radio circuits; the simple oscillating circuit; use of the frequency meter; damped and continuous wave transmission; radiation of waves; receiving apparatus; uses of the vacuum tube as a detector, amplifier, modulator, and oscillator; regeneration; multiple stage amplification; radiotelephony; antennas; interference and selectivity; and naval radio apparatus.

Laboratory work and lectures form an important part of the course. The electrical laboratory work comprises an elementary study of inductance and capacity in alternating-current circuits, alternating-current generators, motors, and transformers. In the radio laboratories the instruction comprises experiments with simple oscillating circuits, use of frequency meters, use of vacuum tube as a detector, amplifier, generator, and modulator, and aviation radio practice.

ENGLISH AND HISTORY

Instruction in both English and history begins for midshipmen almost immediately on entrance. The new class are introduced to the Naval Academy library. They are taught its use and during the period of the summer they read extensively. Further, by lectures and other means their attention is called to the importance of naval tradition and to the significance of the great names of the service, which many of them meet for the first time. During the academic year courses are given in composition and literature, naval history, history of the United States, and modern European history.

In composition, emphasis is put upon (1) the paragraph as the constructive unit; (2) the letter, social and official; (3) the article, both technical and popular; and (4) after-dinner speaking, a form of oral composition which no officer can be inexperienced in without loss of dignity and usefulness. In literature, a survey is made of the entire field from the latter part of the sixteenth century to the present day, especial emphasis being given to Shakespeare, the modern essay, and the short story.

In naval history attention is directed to sea power and its relation to (1) development of ships and armament; (2) lives and characters of great leaders, (particular stress being placed on the growth of American naval tradition); and (3) effect on contemporary and subsequent history. A study is made of the great naval engagements from Salamis to Jutland. In the history of the United States the period covered is from 1865 to the present time. The textbook on this subject is supplemented by readings in American literature selected to bring out the development of American thought and culture and also to suggest recent achievements in the field of letters. In modern European history the course is based on a comprehensive textbook, supplemented by lectures by historians of national reputation and also by men of affairs who are authorities on the countries studied. The aim is not only to vitalize the study of history but to give the midshipman such a knowledge of international problems as will fit him to be an intelligent representative of America in every country he may visit.

At the beginning of each course in English or history the effort is made to secure the interest and cooperation of the midshipman by making clear to him just how and why the proposed course will be of practical benefit to him in his career as a naval officer.

MODERN LANGUAGES

1. The mission of the department of modern languages is to give to midshipmen a sufficient knowledge of French, Spanish, German, or Italian to enable them to converse in the foreign tongue, to express themselves clearly in written communications, and to read with sufficient ease French, Spanish, German, or Italian of average difficulty. Throughout the course emphasis is laid on the knowledge of fundamental elementary principles to the end that, however late in his career he may be called upon to utilize his knowledge, the officer will have a solid foundation on which to build.

2. On admission to the Naval Academy approximately one half of the midshipmen are assigned to study French while the other half are assigned to study Spanish, except one section from each of the first and third battalions which are assigned to study German, and one section from each of the second and fourth battalions which are assigned to study Italian. This assignment depends on the preference of the individual midshipman and is permanent for the entire course.

3. The textbooks in use are modern and practical. Since the number of midshipmen in a section does not exceed 12, special attention is given to the individual.

4. The course in modern languages covers three and one-half academic years and consists of approximately 200 recitations.

HYGIENE

Soon after entrance midshipmen of the fourth class are given a course in personal hygiene and the care of the human machine. This includes a series of lectures to the class as a whole and instructions of a more detailed character over a period of several months. The purpose of this course is to prepare the members of the entering class to make their fullest personal contribution to the continuance of their health, (individually and collectively), and thus to their best scholastic possibilities. In other words, it is to ground them in the art of keeping themselves in good health—to acquaint them with those precautions which every man can take in his own behalf to prevent disease or minimize its effects and thus maintain himself at all times in the best possible physical condition and mentally alert. The course comprises the following subjects:

- (a) Physical education; i. e., care of the human machine.
- (b) Personal hygiene, including social-hygiene education.
- (c) Physical training, the benefits of muscular activity, and the dangers of overtraining.
- (d) Preventable diseases and simple rules for maintaining health.
- (e) Oral prophylaxis and the care of the teeth.

A competent representative of the medical department is always present at all official contests and authorized sports. For graduation a midshipman is required to show, by standard strength and gymnasium tests, that he is 100 per cent physically efficient.

The first class during the first term is given a course in general hygiene, physiology, and first aid, using the adopted textbook by Capt. R. G. Heiner, Medical Corps, United States Navy. An outline of the course is as follows:

- I. Minute anatomy and cell physiology.
- II. Gross anatomy and physiology.
- III. Bacteriology.
- IV. Preventable diseases.
- V. Venereal diseases.
- VI. Naval hygiene.
- VII. Military hygiene.
- VIII. Physical training.
- IX. First aid, including that for the effects of gas warfare.
- X. Alcohol and other narcotics; their effects and dangers.

The course is illustrated by charts, manikin, skeleton, blackboard drawings, and moving-picture reels and includes a special lecture on the relation of the oral cavity to the general nutrition and health of the body.

Emphasis is placed on the methods of giving first aid, and practical demonstrations are given in order to prepare these future officers for the instruction of the men of their divisions, as required by Navy regulations.

Two examinations are held, mid-term and final, each embracing one-half of the textbook.

PHYSICAL TRAINING

In this department midshipmen are trained in the principles of health and recreation so as to fit them for a long period of healthful service. In addition they are given instruction in the various branches of physical drill and athletics in order to better qualify them to lead and coach fleet athletics.

FIRST YEAR—FOURTH CLASS

Initial examination.—Immediately upon entrance to the Naval Academy each midshipman is tested in strength, posture, and swimming. A photographic and graphic record is made at this time.

Requirements

Swimming.—Ability to swim five minutes using three strokes.

Strength.—Ability to equal the standard for strength in 32 out of 42 of the chief muscles of the body.

Gymnasium requirements.—Practical use of muscles in various combinations such as jumping, running, etc.

Posture.—Knowledge of proper "brace" and ability to assume a correct posture.

Boxing.—Demonstration of the elements of self-defense.

Wrestling.—Knowledge and use of six wrestling holds and their counters.

Dancing.—Ability to demonstrate fundamentals of dancing.

In addition to the above subjects which are required, midshipmen of the fourth class are given instruction in football, baseball, crew, track and field, basketball, lacrosse, rifle, fencing, gymnastics, water polo, tennis, soccer, handball, and training.

SECOND YEAR—THIRD CLASS

Requirements

Swimming.—Ability to swim 120 yards in three and one-half minutes, using three strokes.

Strength.—Ability to equal the standard of strength in 36 out of 42 of the chief muscles of the body.

Gymnasium requirements.—Graded improvement in use of muscles to equal the standards set in 14 practical gymnasium tests.

Posture.—Knowledge of proper "brace" and an habitual correct posture while standing or marching.

In addition to the above requirements midshipmen of the third class are given instruction in the fundamentals of the sports listed under fourth class.

THIRD YEAR—SECOND CLASS

Swimming.—Ability to swim 160 yards in four minutes and thirty seconds, using four strokes. Practical demonstration of life saving and knowledge of resuscitation; diving.

Strength.—Ability to equal the standard for strength in 42 of the chief muscles of the body.

Gymnasium requirements.—Ability to equal the "A" tests in 14 various uses of the body in gymnasium tests.

Posture.—Ability to demonstrate proper posture and direct others in the fundamentals of posture.

In addition to the above requirements midshipmen of the second class are instructed in officiating athletic contests in the various branches of sports.

FOURTH YEAR—FIRST CLASS

Instruction in self-defense in use of the cane, rough and tumble, boxing, and wrestling. Course in coaching athletics, selective for sports desired. Instruction in golf.

Textbook used, Manual of Athletic Requirements, United States Naval Academy.

Additional instruction given with moving pictures and selected slides.

ATHLETICS

In the branch of athletics, which is entirely voluntary, the department of physical training, in conjunction with the Navy Athletic Association, trains and fully equips all athletic teams, whether varsity, class, or company.

A complete organization with necessary equipment is provided so that a midshipman of any size, weight, or degree of skill may find suitable opportunity for participation during all recreation periods.

In general, all outside athletic competition is restricted to colleges and preparatory schools. A wide range of competitive sports ranging from varsity, freshman, and class competition to company meets, induces practically every midshipman to participate in one or more branches at some time during his course at the Naval Academy.

LIBRARY

The library contains 71,432 volumes, and increases at the rate of about 1,500 volumes a year. It is commodiously housed in Mahan Hall, in three large rooms, which are well lighted and ventilated, and all on the same level, with one of them containing a second deck for the shelving of bound sets of periodicals. The collection is especially rich in naval literature; and it is strong in history, biography, literature, travel, and reference books, with other subjects developed in less degree. About 75 periodicals are taken, 1 newspaper, and upward of 20 serials or annuals. All of this material is on open shelves, as freely accessible as it would be in one's own home. The arrangement is plain and convenient. The hours on week days are from 9 a. m. to 6.15 p. m., and on Sundays from 2.30 to 6 p. m. The allowance of books that may be borrowed is eight at a time to officers and professors, and two to midshipmen (periodicals counting as books). A bulletin board announces the new books, and shows the contents of the "Proceedings of the Naval Institute," a monthly magazine of uncommon merit and of great value to the service. Further, to show what the library has to offer and to promote its uses and service, a leaflet or mimeographed bulletin is issued about once a week, containing the titles of from 20 to 25 of the latest books acquired, and beneath each title is a line or two describing the characteristics of the work. Sometimes these bulletins are made up entirely of the titles of articles contained in the publications of naval or engineering societies, and at other times they show the latest articles of special professional interest that appear in the leading magazines. This bulletin is sent to all officers, professors, and midshipmen. It keeps them promptly informed of the books last acquired, and of those ready for use, and it is an aid to all concerned.

Use of the library has been growing steadily, both in reference and research work and in the number of books borrowed and carried to quarters. All midshipmen are required during their first summer to spend there one hour and a half a week. These periods are under the direction of the department of English, and professors of that department are present at such times. The purpose is to acquaint midshipmen with the books, and to teach them how to use the catalogue and to look up topics on which information is sought, when they have need to do so.

Midshipmen may go to the library at all times when their studies and duties do not prevent. The library, constructed on lines of broad culture, reflects this in the training of midshipmen, and aids in giving them that general development which is important in the aim of the Naval Academy.

SUMMARY OF COURSE IN AVIATION INSTRUCTION

A course in aviation for the graduating class, supplementing the regular curriculum, was established at the Naval Academy by the Navy Department in May, 1925. The course includes three months of special intensive training instruction in ground and flight work, the object being to send the graduating class away from the Naval Academy well founded in the fundamental requirements of naval aviation. The first class to receive this aviation instruction was the class graduating in 1926. The classes that graduated in 1927 and 1928 have also received this instruction.

The scope of the course includes the following subjects and practical training, with time allotted to each in accordance with its relative importance:

- Structure and rigging.
- Aviation engines.
- Theory of flight.
- Aircraft communication.
- Aerology.
- Navigational instruments.
- Aerial navigation.
- Radio code practice.
- Flight training.
- Aerial gunnery.
- Aerial bombing.
- Range gunnery.
- Aircraft scouting.
- Combat and flight formations.

General and special lectures on aviation subjects by prominent aviators.
Reading courses on aviation subjects.

In 1929, flight observation training during the summer immediately after graduation was discontinued. The class of 1929 did not, therefore, receive this instruction. In lieu thereof a second class summer was established and the members of the class of 1931 were retained at the Naval Academy to undergo practical instruction in aviation and engineering subjects.

At present the indications are that the summer aviation schedule for the second class will become permanent.

PRIZES AWARDED DURING THE ACADEMIC YEAR 1929-30

SECRETARY OF THE NAVY'S TROPHIES FOR EXCELLENCE IN SMALL-ARMS FIRING

Effective in 1930, the Navy Department will annually award a trophy to the midshipman of each graduating class who has demonstrated outstanding proficiency in the use of the service rifle, and also a trophy to the foremost pistol shot of each graduating class. These trophies are designated as the Secretary of the Navy's Rifle Trophy and the Secretary of the Navy's Pistol Trophy, respectively. Midshipman SAMUEL SYLVESTER YEATON, class of 1930, was awarded the pistol trophy. The rifle trophy was not awarded in 1930, as no midshipman of the graduating class demonstrated outstanding proficiency in the use of the service rifle.

PRESENTED BY THE UNITED STATES NAVAL ACADEMY FOR GENERAL EXCELLENCE IN TARGET PRACTICE

The Naval Academy presents each year gold, silver, and bronze medals, respectively, to the midshipmen of the second class who stand first, second, and third in excellence in small-arms target practice.

Recipients: First prize (gold medal), Midshipman Berton Aldrich Robbins, jr., class of 1931; second prize (silver medal), Midshipman Clark Alexander Ritchie, class of 1931; third prize (bronze medal), Midshipman George Owen Kunkle, class of 1931.

Midshipmen who qualified as expert riflemen

SECOND CLASS (1931)

Quilter, E. S.

Williams, G. K.

Wright, E. A.

THIRD CLASS (1932)

Pfingstag, P. W.

Klinksiek, H. T.

FOURTH CLASS (1933)

Coleman, E. B.

CLASS OF 1897 SWORD AND CUP

A sword is awarded annually by the class of 1897 to that midshipman of the graduating class who has contributed most by his officerlike qualities and positive character to the development of naval spirit and loyalty within the regiment. The name of the midshipman to whom the sword is awarded is inscribed on the class of 1897 cup. The cup is retained at the Naval Academy. Midshipman ANDREW McBURNEY JACKSON, Jr., class of 1930, was awarded the sword and his name was inscribed on the cup.

CLASS OF 1871 SWORD

The class of 1871 provides funds each year to be given to that midshipman of the graduating class who is most proficient in practical and theoretical ordnance and gunnery, with the understanding that the recipient will purchase a Navy

dress sword with these funds. There are further requirements as to how the sword shall be engraved. Midshipman WILLIAM CLARE ENNIS, class of 1930, was awarded this prize.

CLASS OF 1924 PRIZE

A gold watch, suitably engraved, is presented each year by the class of 1924 to that midshipman of the graduating class who stands highest for the course in the department of engineering and aeronautics. Midshipman ANDREW McBURNEY JACKSON, Jr., class of 1930, was awarded this prize.

GENERAL SOCIETY, SONS OF THE REVOLUTION CUP

A cup has been presented to the Naval Academy by the General Society, Sons of the Revolution, and remains here. Each year the name of the midshipman who is most proficient in practical ordnance and gunnery is inscribed thereon. The name of Midshipman WILLIAM ELLIS GENTNER, Jr., class of 1930, was inscribed on the cup.

NATIONAL SOCIETY, DAUGHTERS OF THE AMERICAN REVOLUTION SWORD

A sword is presented each year by the National Society, Daughters of the American Revolution, to the midshipman who excels in practical seamanship. Midshipman JAMES HALLECK HEAN, class of 1930, was awarded this prize.

MILITARY ORDER OF FOREIGN WARS' PRIZE

A wrist watch, suitably engraved, is presented each year by the Military Order of Foreign Wars, to that midshipman of the graduating class who stands highest for the course in the department of mathematics. Midshipman WELLINGTON T. HINES, class of 1930, was awarded the prize.

THOMPSON PRIZE

A navigating sextant is awarded by Col. Robert M. Thompson, class of 1868, U. S. N. A., to the member of each graduating class who proves himself most proficient in practical and theoretical navigation. Midshipman WELLINGTON T. HINES, class of 1930, was the recipient of the sextant.

VAN DYKE PRIZE

A gold watch, suitably inscribed, is annually presented by Dr. Henry Van Dyke to the member of each graduating class who submits the best original article or theme on any naval or equally patriotic subject. Midshipman WALLACE MARTIN GREENE, class of 1930, was awarded the prize.

GARDNER L. CASKEY MEMORIAL PRIZE

A watch, known as the Gardner L. Caskey memorial prize, is presented each year to the midshipman who graduates at the head of his class for the course. The watch was awarded to Midshipman ANDREW McBURNEY JACKSON, Jr., class of 1930.

MAURY PRIZE

A pair of marine binoculars, known as the Maury prize, is presented each year by the United Daughters of the Confederacy to the midshipman of the third class who excels in physics. Midshipman RICHARD SHAI MANDELKORN, class of 1932, was awarded this prize.

COMMANDER JAMES EDWARD PALMER PRIZE

Mrs. James Edward Palmer presents a wrist watch, known as the Commander James Edward Palmer prize, to the midshipman of the graduating class who is declared the most proficient in practical steam engineering. The watch was awarded to Midshipman WILLIAM CLARE ENNIS, class of 1930.

LETTERS OF COMMENDATION AND APPRECIATION

In accordance with Naval Academy Order 15-29, letters of commendation and appreciation were addressed to the below-named midshipmen of the class of 1930, they having contributed most by their officerlike qualities and positive character to the development of naval spirit and loyalty within the regiment during the academic year 1929-30:

Andrew McBurney Jackson, jr. Mell Andrew Peterson.

William Ellis Gentner, jr. Jack Sidney Dorsey.

Paul Moret. Raymond Wilbur Johnson.

NATIONAL ASSOCIATION OF MUTUAL SAVINGS BANKS' PRIZE

The National Association of Mutual Savings Banks has offered an annual prize of \$100 for the best original essay on a theme relating to thrift and savings written by a member of the graduating class. Midshipman WALLACE MARTIN GREENE, class of 1930, was the winner.

NEW YORK TIMES' PRIZES

The New York Times presents annual prizes, as hereinafter enumerated, to the three midshipmen who in a competitive examination show the broadest knowledge and most thorough understanding of current events both domestic and foreign:

First prize.—A bronze plaque and a cash award of \$150. Recipient: Midshipman CHARLES ROBERT GILLIAM, class of 1930.

Second prize.—A cash award of \$75. Recipient: Midshipman RALPH WALDO ELDEN, class of 1931.

Third prize.—A cash award of \$25. Recipient: Midshipman DONALD MCPHERRIN WELLER, class of 1930.

THOMPSON TROPHY CUP

A cup known as the Thompson trophy cup has been presented to the Naval Academy by Col. Robert M. Thompson, class of 1868, U. S. N. A., on which is inscribed each year the name of the midshipman who shall be declared by the executive committee of the Navy Athletic Association to have done the most during the year preceding for the promotion of athletics at the Naval Academy. The name of Midshipman CLAUD WILBOURNE HUGHES, class of 1930, was inscribed on the cup.

NAVY ATHLETIC ASSOCIATION SWORD

A sword is presented at the end of each academic year by the Navy Athletic Association to the midshipman who is considered to have personally excelled in general athletics during that year. Midshipman BRYAN FRED SWAN, class of 1930, was awarded the sword.

HARVARD SHIELD

The numerals of the class of 1931 were engraved on the "Harvard Shield," which was presented by the Associated Harvard Clubs, as that class which excelled in interclass athletic contests during the past year.

CRENSHAW CUP

The name of Midshipman HORACIO RIVERO, Jr., class of 1931, was inscribed on the Crenshaw memorial cup for 1930. This cup was presented by Mr. E. A. Crenshaw, and upon it is to be inscribed each year the name of the coxswain of that 8-oared crew winning the greatest number of races for that year.

LYSISTRATA CHALLENGE CUP

The race for the "Lysistrata challenge cup" was held during the summer practice cruise, 1930, at Oslo, Norway. Midshipmen crews in standard Navy racing cutters competed. The crews finished in the following order: Arkansas, Utah, and Florida.



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